

# **EXHIBIT A**

<b>ORDER FOR SUPPLIES OR SERVICES</b>										PAGE 1 OF 29			
1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. FA3002-08-D-0011			2. DELIVERY ORDER/ CALL NO. 0005		3. DATE OF ORDER/CALL (YYYYMMDD) 2010 Apr 30		4. REQ./ PURCH. REQUEST NO. F4ATA59343A001		5. PRIORITY				
6. ISSUED BY AETC CONS/LGCT (GLORIA J. WILSON) C/O HQ AFCEA/CEKC 139 BARNES DRIVE, STE 1 TYNDALL AFB FL 32403-5319			CODE FA3002		7. ADMINISTERED BY (if other than 6) AETC CONS/LGCT (TODD D. COOK) C/O HQ AFCEA/CEKC 139 BARNES DRIVE, STE 1 TYNDALL AFB FL 32403-5319			CODE FA3002		8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)			
9. CONTRACTOR TUTOR PERINI CORPORATION EDWARD GRECO 73 MOUNT WAYTE AVE FRAMINGHAM MA 01702-5803			CODE 1CKB7		FACILITY		10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>		11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED				
14. SHIP TO  <b>SEE SCHEDULE</b>			CODE		15. PAYMENT WILL BE MADE BY DFAS-LI - F67100 DFAS-BAASD/CC PO BOX 369020 BLDG #21 - MAILROOM COLUMBUS OH 43236-9024			12. DISCOUNT TERMS Net 14 Days		13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15			
								16. TYPE OF ORDER DELIVERY/ CALL PURCHASE					
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.													
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)				
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:													
17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE													
<b>See Schedule</b>													
18. ITEM NO.		19. SCHEDULE OF SUPPLIES/ SERVICES				20. QUANTITY ORDERED/ ACCEPTED*		21. UNIT		22. UNIT PRICE		23. AMOUNT	
		<b>SEE SCHEDULE</b>											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TEL: 850-283-6319 EMAIL: todd.cook@tyndall.af.mil BY: TODD D. COOK						25. TOTAL \$81,231,252.00	
27a. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED						CONTRACTING / ORDERING OFFICER						26. DIFFERENCES	
b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c. DATE (YYYYMMDD)		d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28. SHIP NO.		29. DO VOUCHER NO.		30. INITIALS			
f. TELEPHONE NUMBER		g. E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32. PAID BY		33. AMOUNT VERIFIED CORRECT FOR			
36. I certify this account is correct and proper for payment.						31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34. CHECK NUMBER			
a. DATE (YYYYMMDD)		b. SIGNATURE AND TITLE OF CERTIFYING OFFICER								35. BILL OF LADING NO.			
37. RECEIVED AT		38. RECEIVED BY		39. DATE RECEIVED (YYYYMMDD) <b>6</b>		40. TOTAL CONTAINERS		41. S/R ACCOUNT NO.		42. S/R VOUCHER NO.			

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0005

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## Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001		UNDEFINED	Lump Sum	UNDEFINED	\$0.00

## CONSTRUCTION SERVICES

FFP

The contractor shall perform services in accordance with the Statement of Work dated 2 April 2010 and included in Section C of this Task Order. The Task Order is for repair of the West Runway at Andrews AFB, MD

FOB: Destination

SIGNAL CODE: A

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MAX  
NET AMT

\$0.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001AA		1	Lump Sum		

Funding SubCLIN

FFP

Provides repair funding for the West Runway construction at Andrews AFB, MD

FOB: Destination

PURCHASE REQUEST NUMBER: F4ATA59343A001

SIGNAL CODE: A

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MAX  
NET AMT

ACRN AA

CIN: F1D3260112H0010000AA

## Section C - Descriptions and Specifications

STATEMENT OF WORK

## STATEMENT OF WORK

S/R&M Acquisition Task Order Contract (SATOC)  
 SATOC Delivery Method: Traditional Construction

Repair/Replacement of West Runway 01L/19R

Andrews AFB, Maryland  
 Base Project Number: AJXF-05-1510  
 AFCESA Project Number: ANDR-09-S-3049

02 APRIL 2010

## 1.0 PURPOSE

The work to be performed under this Task Order (TO) shall be performed under the general conditions of the SATOC Contract and the Basic Statement of Work contained therein, as modified by this task order Statement of Work. Where this task order Statement of Work conflicts with the basic SATOC contract, the Contractor shall consult with the Contracting Officer (CO). This task order shall be accomplished using the SATOC Traditional Construction delivery method. Complete all work, required documents, work plan schedules, submittals, specifications, and as-built drawings as required to Repair/Replacement of Runway 01L/19R at Andrews AFB, MD in accordance with this Statement of Work (SOW) and the 100% Plans and Specifications.

## 2.0 SCOPE

2.1 This statement of work (SOW) defines the scope of a full range of construction activities for the Repair/Replacement of Runway 01L/19R at Andrews AFB, MD. Specifically, the Contractor shall provide for and complete all work referenced and in accordance with the 100% Plans and Specifications described in Section 3.0 of this work statement.

2.2 This SOW encompasses the full range of methods and technologies supporting activities necessary to remedy site conditions in accordance with technical and regulatory requirements and to provide construction and ancillary services as required herein. Requirements will also include traditional engineering, as necessary.

2.3 The Contractor shall function as an integral team member in support of the AFCESA mission, to include the sharing of information with other AFCESA/Base Contractors (i.e. Title II, A&E, etc...), and cooperation with communities, regulators, and other government entities.

2.4 Requirements include efficient management of this TO including accurate, on-time submittals of contract deliverables and timely identification and solution of impediments to successful project execution. AFCESA will rely on the Contractor's expertise in recognizing and addressing problematic issues and successful execution of this TO.

2.5 The project will be accomplished in phases as detailed in the 100% Plans and Specifications. The Contractor shall provide for their phasing methodology as part of their proposal.

2.6 Upon award of the task order, work shall proceed in the generation of the required Work Plans, to include schedules and the material submittals.

## 3.0 DESCRIPTION OF WORK

3.1 The Contractor shall comply with the 100% Plans and Specifications provided by the Government for the Repair/Replacement of Runway 01L/19R in its entirety except items specifically identified in this SOW. The Contractor shall utilize the 100% design specifications and drawings provided on a CD-ROM via FedEx on 01 December 2009.

3.2 The 100% Plans and Specifications address numerous regulations, standards, and guidance documents. Additionally the Contractor shall identify and comply with all applicable federal, state, and local statutes; Air Force/Military instructions, manuals, handbooks, regulations, guidance, and policy letters; Executive Orders (EOs); American Petroleum Institute (API) Codes; National Association of Corrosions Engineers (NACE); National Fire Protection (NFPA); Unified Facilities Criteria (UFC); Steel Structures and Painting Counsel (SSPC); National Electrical Code (NEC); Uniform Fire Code; and International Building Code (IBC) including all changes and amendments in effect on the date of issuance of this TO. It is the Contractor's responsibility to identify and comply with all applicable requirements.

3.3 The Contractor's proposal on this project shall provide cost breakout detail for each bid schedule item provided on the AFCESA Standardized Bid Sheet and detailed in the following sections. Parts of the following Sections are brief re-iterations of information from the 100% Design specifications, and the Contractor shall consult the 100% design for full details.

3.3.1 Repair Requirements – Remove & Replace Runway 01L/19R Pavement

- a) Remove existing pavement and underlying aggregate as needed to construct new pavement.
- b) Subgrade preparation and soil modification.
- c) Aggregate Base Course
- d) Drainage Layer
- e) PCC Pavement, including joint sealant and grooving.
- f) HMA shoulder construction adjacent to new PCC pavement and blast pads.
- g) NAVAID Relocation
- h) Approach Lighting
- i) Various Airfield Lighting (i.e. edge lights, centerline, etc...)
- j) Arrestor Systems

3.3.2 Unsuitable Subgrade Materials

Unsuitable Subgrade: Contractor shall include all costs associated with the removal of an estimated 86,000 CY of unsatisfactory or unstable material and replacement with select granular material base compacted in place. The Contractor shall include, with their proposal, a unit price per cubic yard compacted in place. The location and depth of unsatisfactory unstable material shall be determined during preparation and/or proof rolling on the subgrade. The limits, depths, and locations of unsuitable material replacement shall be approved by the Contracting Officer Representative and Title II Construction Inspection prior to excavation and recorded by the Contractor on a systematic plan that shall be provided to the Contracting Officer as part of their monthly reporting requirements. Areas identified in the 100% Design requiring filling, grading, excavation and/or replacement of material (e.g. Sheet G-6 – General Notes #16) are not part of the 86,000 CY of materials, and these items shall be covered in the Base Bid costs. At the conclusion of site actions the TO will be modified to reflect the actual quantity of unsuitable material removed/replaced, and quantities not utilized will be returned as a credit to the Government at the unit rates provided in the original TO.

3.3.3 Environmental Media

EPA, AFCEE, and AAFB are currently pursuing Corrective Action (CA) efforts in regards to the MMRP and LF-06 sites. The Contractor is required to stockpile and manage materials from these sites, until the Government determines appropriate disposal requirements based on the findings of the CA (estimated at Late Sept 2010). Offerors shall provide for this requirement in their schedule and technical approach. Due to this requirement, is it the preference of the Government that the excavation and stockpiling of these material/soils be limited to the shortest timeframe possible, thus reducing the

amount of time that is required for management of the stockpiles. During the timeframe prior to the approval for disposal the Contractor can conduct the necessary assessment actions.

#### 3.3.3.1 Lead Impacted Soils from MMRP Site

Lead Impacted Soils: Contractor shall include a per unit cost for the removal, characterization, transportation, disposal of an estimated 40,000 TN of lead impacted soils/material and replacement with select granular material base compacted in place. The Contractor shall include in the unit price the costs for disposal of the soils/materials at a facility that is permitted for accepting solid waste (i.e. Subtitle D). The Contractor shall reference the 100% Design, along with information provided in Appendix A for determination of the areas of the MMRP in addition to the required sampling/testing protocols. The limits, depths, and locations of environmentally impacted media shall be approved by the Contracting Officer Representative and Title II Construction Inspection prior to excavation and recorded by the Contractor on a systematic plan that shall be provided to the Contracting Officer as part of their monthly reporting requirements. At the conclusion of site actions the TO will be modified to reflect the actual quantity of material removed from the MMRP site, and quantities not utilized will be returned as a credit to the Government at the unit rates provided in the original TO. Contractor shall also follow guidance provided in Attachment A to this SOW.

#### 3.3.3.2 Environmentally Impacted Soils from LF-06 Site

Environmental Impacted Soils: Contractor shall include a per unit cost for the removal, characterization, transportation, disposal of an estimated 1,500 TN of impacted soils/material and replacement with select granular material base compacted in place. The Contractor shall include in the unit price the costs for disposal of the soils/materials at a facility that is permitted for acceptance of TSCA designated wastes. The Contractor shall reference the 100% Design, along with information provided in Appendix A for determination of the areas of the LF-06 site, in addition to the required sampling/testing protocols. The limits, depths, and locations of environmentally impacted media shall be approved by the Contracting Officer Representative and Title II Construction Inspection prior to excavation and recorded by the Contractor on a systematic plan that shall be provided to the Contracting Officer as part of their monthly reporting requirements. At the conclusion of site actions the TO will be modified to reflect the actual quantity of material removed from the LF-06 site, and quantities not utilized will be returned as a credit to the Government at the unit rates provided in the original TO. Contractor shall also follow guidance provided in Attachment A to this SOW.

#### 3.3.4 Replacement Material for Aggregate Base Course (Separation Layer)

Aggregate Base Course (Separation Layer): Contractor shall include all costs associated with the procurement, transportation, and installation (IAW specifications) of 67,000 cubic yards (CY) of material for usage in the construction of the Aggregate Base Course (ABC) under the new PCC pavement. The Contractor shall include, with their proposal, a total cost for the 67,000 CY and a unit price per cubic yard compacted in place. The 100% Design specifications allows for the recycling of the existing PCC for usage in the construction of the ABC under the new airfield pavement. However, prior to the usage of the recycled PCC from the existing runway, the material is required to be tested in accordance with the 100% specifications requirements (e.g. ASTM C-1260). If it is determined that the existing PCC is not suitable for usage under the airfield pavement (i.e. expansion greater than 0.08 after 28 days), then the Contractor shall utilize the 67,000 CY of virgin material identified in this section for usage under the airfield PCC pavement. If it is determined that the existing PCC material is useable for construction actions under airfield pavement, then the cost of the 67,000 CY of material on this line item will be provided back the Government as a credit. Only the recycled concrete from the existing runway is acceptable for usage on the project; the Contractor shall not import recycled concrete for usage on the project. Any amounts of material necessary for the project above the 67,000 CY shall be part of the Contractor's Base Bid costs. Additionally, if the recycled concrete is determined not to be usable under the PCC pavement, the Contractor may still utilize the recycled concrete for construction of shoulders and blast pad areas, but not for usage as fill only base course material.

3.3.5 Standard PCC Thickness (BASE BID REQUIREMENT)

As part of the 100% Design, drawings sheets C-401 through C-405 illustrate the typical pavement sections for various parts of the runway project. The sheets illustrate some pavement sections which have keel sections that are 19.5 and 15 inches thick, which then thin to 11.5-inch thick pavement transversely. The Contractor shall construct all pavement sections at full depth to the thickness of the thickest pavement section across that specific transverse area. Example: Sheet C-402 indicates 15-inch and 19.5-inch pavement sections that thin down to 11.5-inch thickness in the outboard areas. The Contractor shall provide full 15-inch or 19.5-inch thick pavement for these entire areas.

3.3.6 ASTM C-1260

All testing in accordance with ASTM C-1260 as required in the 100% specifications shall be conducted for 28 days not the 16 days indicated in the specifications. The requirement for expansion less than 0.08 percent still holds for the 28 day requirement.

3.3.7 National Park Service Permit

Contractor shall conduct the necessary coordination and prepare the necessary documentation for obtaining a Special Use Permit from the National Park Service for the area encompassing the approach lighting located north of Suitland Parkway. The contractor shall account for the necessary time for obtaining the permits, along with the meeting the restrictions of the permit. The restrictions of the permit entail limited site disturbance, horizontal boring versus trenching, providing approach light standards in an alternate color from the standard orange, the installation of native shrubbery to replace any plants damaged, and additional shrubbery to screen the light standards from the view of vehicles on Suitland Parkway.

3.3.8 Fiber Conduit

As part of the implementation of the project the Contractor may encounter Asbestos Containing Conduits (ACC) in the subsurface. The conduits are currently utilized as the electrical conduits primarily supplying power for the airfield lighting circuits. The Contractor shall take note of the presence of the ACC and make efforts to avoid damaging or disturbing these conduits where present. Avoidance measures may entail the installation of new utilities at elevations or locations slightly different than what is provided for in the design. Also much of the fiber conduit encountered may not contain asbestos; and thus the Contractor shall provide for testing of conduit on a basis of one sample per every 300 feet of trench that encounters ACC/Fiber Conduit as indicated on the 100% design, or where there is a change in conduit size. The current design documents indicate that the project could encounter approximately 40,000 linear trench feet that would contain possible ACC. The Contractor shall provide costs for the proper removal of 40,000 linear trench feet of ACC, with many locations containing multiple conduits in a single trench. As part of the overall costs, the Contractor shall also provide unit costs per 10 feet of trench containing ACC for removal, transportation, and disposal of the ACC. The limits and locations of ACC removal shall be approved by the Contracting Officer Representative and Title II Construction Inspection prior to removal and recorded by the Contractor on a systematic plan that shall be provided to the Contracting Officer as part of their monthly reporting requirements. At the conclusion of site actions the TO will be modified to reflect the actual quantity of ACC material removed, and quantities not utilized will be returned as a credit to the Government at the unit rates provided in the original TO.

3.3.9 Construction Entrance

The Contractor shall account for the installation of an 18ft wide gate entrance in the northern perimeter fence off Perimeter Road. The installation of this fence shall also account for the removal and temporary re-installation of the ATRP cables as necessary to allow for installation of the fencing. Additionally the perimeter road at the location has curb and gutter, along with a concrete stormwater ditch, the Contractor shall address these structures in the construction of the project entrance. The Contractor shall provide for restoration of this area to pre-project conditions following completion of the project.



As part of the operations associated with the site entrance, the Contractor shall provide for necessary road signage to notify motorists of the construction entrance and truck entering/exiting the road. The Contractor shall also provide for dedicated flagmen for traffic control at the gate entrance and on Perimeter Road.

### 3.3.10 Operational Periods

The Contractor shall access Andrews AFB and the project site at the locations indicated in the 100% Design. In addition, the Contractor shall comply with all requirements regarding escorts, quiet times, ramp freezes, and other airfield operations as defined in the 100% Design. The Contractor shall provide security/escorts as required in Attachment B to this Statement of Work. The Contractor shall comply with the Base access requirements regarding entrance to Andrews AFB through the Pearl Harbor Gate. Requests for variations to operational schedules shall be submitted in writing to the CO/COR a minimum 72 hours prior to the requested variance; a request does not guarantee Government acceptance. Contractor should note that during ramp freezing, not only operations within the secure area are restricted but all operations within the flight path are also prohibited (e.g. work on or around approach lights or ISL components).

### 3.3.11 Pre-Construction Training

Upon award of the Task Order the Contractor and their selected subcontractors shall attend a four day Air Force training class that will cover operational requirements for PCC Airfield Pavement, HMA Airfield Pavement, and Airfield Lighting. The training classes are held on separate days and the appropriate technical personnel shall attend each. Electrical training will be conducted separately from and subsequent to initial pavement training, schedule to be determined, and Contractor shall plan accordingly. The Contractor shall plan for the training to possibly occur after the initiation of field construction operations.

### 3.3.12 NEPA Actions - Environmental Assessment (EA)

The Contractor's efforts shall comply with the Federal and State environmental standards, and the requirements set forth in the Environmental Assessment (EA) West Runway Repair Joint Base Andrews-Naval Air Facility, Washington, Maryland, dated March 2010. A generalized list of AAFB Commitments, associated with the EA, are provided in Attachment C of this SOW. The Finalized EA, indicated above, has also been provided to the Contractors on 02 April 2010.

3.4 Technical errors/omissions or site conditions not compatible with the contract documents are the responsibility of the Contractor to identify and bring to the attention of the Base Contracting Officer's Representative (COR) and AFCEA Project Manager (PM). The Contractor shall present the discrepancy in writing along with the recommended solution if readily evident.

3.5 Of special note, the Contractor shall pre-qualify the concrete aggregate supplier. Contractor shall take note of testing requirements and standards for acceptance of aggregate material. Non ASR (Alkali-Silica Reactivity) aggregate shall be used for all concrete in this project. Specification 03 30 00 requires frequent Contractor testing of aggregates and the concrete mixture while building the stockpiles and during paving. Testing shall be at the Contractor's expense. The taking of the samples will be pre-coordinated with the Quality Assurance Title II Contractor. In addition to the 100% specification requirements the Contractor shall increase the timeframe for the ASTM C-1260 testing to 28 days. Additionally the entire proposed aggregate blend shall also be tested utilizing ASTM Method C-1567.

3.6 The Contractor shall provide, within 60 days of any partial or total transfer of the facility, an original DD Form 1354 to 316<sup>th</sup> CES/CEC. The following Web Site can be used to access the forms:

<http://www.dtic.mil/whs/directives/infomgt/forms/formsprogram.htm>



3.7 The QA Title II, Base Civil Engineering Representatives, HQ AFDW and/or HQ AMC representatives, the QA A&E Title II firm and any other organizations interested, will participate in all facility acceptance inspections. The Contractor shall coordinate with Title II Contractors for the pre-final and final acceptance inspection. No partial acceptance of the project is allowable, except for the Taxiway areas necessary for continued airfield operations in accordance with the design requirements (i.e. two taxiways operational at all times).

3.8 Warranties and Repairs: The Contractor shall meet with Government representatives prior to the start of the warranty period (final inspection) to discuss warranty procedures. The Contractor shall furnish a warranty book with all warranties, extended warranties, and a point of contact for all warranty work (name, telephone number, and address) located in the local area. If applicable, the Contractor shall complete all inspection and commissioning requirements prior to final inspection. The warranty shall be issued in accordance with FAR 52.246.21. Extended warranties offered by the Contractor and its subcontractors or suppliers may be accepted at the Government's discretion.

3.9 The Government recommends the use of gang drilling machines during the installation of dowels in PCC pavement. The usage of single drill machines may lead to alignment problems and require rework or replacement of pavement by the Contractor.

3.10 The use of precast light can bases, versus cast-in-place, is unacceptable to the Government.

### 3.11 Wetlands

As shown in the 100% design, there are areas of grading for the project that encroach on wetlands and the associated wetlands buffer. The Government is currently pursuing a wetlands permit to address the project impact to these areas; however no required mitigation by the Contractor is anticipated, however, the Contractor is required to restore the areas in accordance with the specifications. Contractors shall not impact or affect any wetlands or wetland buffers until such time that the wetlands permit is obtained, which is estimated to be finalized on 02 August 2010. The as defined boundaries of the wetlands are provided on the boundary maps and images provided on 02 April 2010. The area of temporary impact to wetlands is approximately 50.5 acres, with permanent impacted areas of approximately 11.2 acres. The Contractor shall employ appropriate Best Management Practices (BMP) for working in and around the wetland areas as not to impact any of the wetland or wetland buffer areas, except those specifically called out as part of the construction of the efforts. The BMPs shall be in accordance with accepted Maryland Department of Environment (MDE) and USACE procedures/guidelines/regulations. Failure to properly management of run-off and wetland areas can result in regulatory violations, restrictions, and project delays. The Contractor shall also comply with the wetlands requirements/guidelines as provided in the 100% Design Specifications and Drawings.

### 3.12 Polyurethane Foam Stabilized Soil

The 100% indicates a location where polyurethane foam soil stabilizer was utilized under the airfield pavement. The location of the foam stabilizer is an area where a stormdrain line is scheduled for demolition/removal and replacement, and thus removal and disposal of most of the foam is required in the execution of this effort. The Contractor shall make all reasonable efforts to remove all polyurethane foam stabilizer, with the understanding that minor amounts will remain at the end of the effort. Contractor shall ensure that all foam is removed from the area to a depth 2.5 feet below the bottom of aggregate base course (ABC). The polyurethane foam material was provided and installed by URETEK USA. The Government does not have the MSDS on the polyurethane foam, but is probably available through the manufacturer.

### 3.13 Temporary Waterline For Batch Plant Site

The Contractor is responsible for installation of a waterline for supplying water to their construction operations (i.e. batch plant). Contractor is not allowed to make their own connection (i.e. tap) into any existing waterlines, and shall coordinate with Terrapin Utilities if there is a requirement to tap into or modify existing water lines for execution of the project. Contractor is required to reimburse Terrapin Utilities costs for any oversight or construction efforts required during waterline connection operations. There is a hydrant tie-in located approximately 1,200 feet to the east of the batch plant site for usage or there is a 14 inch waterline located adjacent to the perimeter road (as shown in the design) that the Contractor can utilize upon coordination with Terrapin Utilities. Any waterline(s) installed shall be removed at the end of the project.

#### 4.0 GOVERNMENT FURNISHED MATERIAL (GFM)

4.1 100% Plans and Specifications for repair of Runway 01L/19R were distributed via FedEx on 01 December 2009. The Contractor, upon request, may be provided with additional documents, drawings, and general reference material. However, these requests must be submitted directly to the Base POC and may be refused if deemed unnecessary, security sensitive, or outside the scope of work.

#### 5.0 DELIVERABLES

##### 5.1 Project Management Plan

The Contractor shall submit a Project Management Plan (PMP), which thoroughly describes the scheduling, management, and teaming approach for the project. The PMP shall define the execution teams, to include subcontractors in addition to key personnel such as the project manager, project engineer, superintendent, and quality control manager. Include a description of the quality control process as required by the specifications to be used throughout the project to include final project completion documents.

5.2 The Contractor shall submit a signed AF 3064 (or approved equivalent), Contract Progress Schedule, depicting an overall contract progress schedule for the main elements of work for the period of performance as described in the Table of Deliverables below. The contractor shall also provide a line graph depicting actual construction progress (solid line) versus scheduled construction progress (dotted line) throughout the period of performance. The progress schedule shall be signed by either the COR or the Government contract inspector recommending approval and approved by the Contracting Officer. If the Contractor requires reimbursement of a high dollar value item, the item shall be identified on the AF 3065.

5.3 The Contractor shall submit AF 3065 as described in the Table of Deliverables below. This report shall be signed by the Contractor's on-site representative in the Remarks section of the AF 3065. The work elements and percentages of the total job identified on the AF 3065 shall be identical to the work elements and percentages on the AF 3064. The Contractor shall obtain either the COR or the Government contract inspector's acceptance by signature of the actual reported progress prior to submission to the Contracting Officer. Additionally, the contractor shall submit the updated AF 3064 as an attachment to the AF 3065, both of which shall be submitted (signed/approved) with each invoice.

5.4 Delivery Schedule / Distribution of Deliverables. Specific deliverables identified in Table of Deliverables of this SOW should be submitted as indicated. Deliverables not specifically called out in that table shall be provided in accordance with the 100% design specifications, except for delivery of submittals to the AFCESA PM and CO, which shall be submitted electronically.

##### 5.5 Web-Based Submittal Tracking

Due to the large number of submittals and number of personnel/contractors reviewing the documents, the contractor shall provide and maintain a web-based submittal tracking and approval system for the project. The website shall provide for secure log-in by various individuals (i.e. Title II, A&E, COR, CO, etc...), and the ability to provide comments, approvals, rejections, etc...

##### 5.6 Technical Plans and Reports

The Contractor shall provide technical plans and reports as defined at the TO level and in accordance with the 100% Design requirements. The Contractor shall complete these documents according to the most appropriate industry standard.

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#### DELIVERABLES/DISTRIBUTION

	AFCEA PM/CORA	Base POC / CES	AFCEA CO	
Meeting Minutes	1 <sup>e</sup>	1 <sup>e</sup>	1 <sup>e</sup>	2 days after each meeting
Project Management Plan (PMP)	1 <sup>e</sup>	1 <sup>e</sup> + 1	1 <sup>e</sup>	In accordance with the specifications
Construction Quality Plan	1 <sup>e</sup>	1 <sup>e</sup> + 1	1 <sup>e</sup>	In accordance with the specifications
Health and Safety Plan	1 <sup>e</sup>	1 <sup>e</sup> + 1	1 <sup>e</sup>	In accordance with the specifications
Monthly Status Report	1 <sup>e</sup>	1 <sup>e</sup>	1 <sup>e</sup>	15 <sup>th</sup> of each month
Materials Approval (AF Form 3000)	1 <sup>e</sup>	1	1 <sup>e</sup>	30 Days Prior to Requirement and/or As required in 100% Designs
Production or Delivery Problem Report	1 <sup>e</sup>	1	1 <sup>e</sup>	Same day of event or occurrence
Permits	1 <sup>e</sup>	1	1 <sup>e</sup>	As required and/or detailed in 100% Design.
Survey Reports	0	1 <sup>e</sup> + 1	0	As required and/or detailed in 100% Design.
Geographical Information Systems Updates	0	1 <sup>e</sup>	0	As required and/or detailed in 100% Design.
Inspection Reports	0	1 <sup>e</sup> + 1	0	As required and/or detailed in 100% Design.
O&M Manuals (AF Form 3000)	1 <sup>e</sup>	1 <sup>e</sup>	1 <sup>e</sup>	30 days after final inspection
Progress Schedule (AF Form 3064)	1 <sup>e</sup>	1	1 <sup>e</sup>	15 <sup>th</sup> of each month
Progress Reports (AF Form 3065)	1 <sup>e</sup>	1	1 <sup>e</sup>	15 <sup>th</sup> of each month
Pre-Final Inspection Report	1 <sup>e</sup>	2	1 <sup>e</sup>	In accordance with 100% Design
Final Inspection Report	1 <sup>e</sup>	2	1 <sup>e</sup>	In accordance with 100% Design
As-built Drawings	1 <sup>e</sup>	2 <sup>a</sup> , 2, 1 <sup>M</sup>	1 <sup>e</sup>	60 days after Final Inspection
Electronic Specifications Changes in MS Word®	1 <sup>e</sup>	1 <sup>e</sup>	1 <sup>e</sup>	60 days after Final Inspection
Transfer & Acceptance of Military Real Property (DD 1354)	1 <sup>e</sup>	1	1 <sup>e</sup>	60 days after Final Inspection

1<sup>e</sup> = Indicates only one electronic copy of the submittal is required in the format as required in the specifications, or if not indicated the document shall be in PDF format.

1<sup>a</sup> = Indicates the document shall be submitted on a CD in a version compatible with the Base system and the 100% Design requirements.

1<sup>M</sup> = Indicates submittal of full sized Mylar drawings.

## 6.0 INVOICING

Invoice Procedure: The Contractor shall submit and process invoices in accordance with Section H of the award documentation, in exception to 100% Design Specifications.

#### 7.0 GOVERNMENT POINTS OF CONTACT (POC)

AFCESA Contracting Officer -  
Mr. Todd Cook, HQ AFCESA/CEKC  
139 Barnes Dr., Suite 1  
Tyndall AFB, FL 32403-5319  
COMM: (850) 283-6319  
DSN: 523-6319  
Fax: (850)283-6047  
[todd.cook@tyndall.af.mil](mailto:todd.cook@tyndall.af.mil)

AFCESA Contract Administrator -  
Mrs Lane Bramblett, HQ AFCESA/CEKC  
139 Barnes Dr., Suite 1  
Tyndall AFB, FL 32403-5319  
COMM: (850) 283-6565  
DSN: 523-6565  
Fax: (850)283-6047  
[lane.bramblett@tyndall.af.mil](mailto:lane.bramblett@tyndall.af.mil)

AFCESA COR Advisor  
Mr. Mark Dent, HQ AFCESA/CEK  
139 Barnes Dr., Suite 1  
Tyndall AFB, FL 32403-5319  
COMM: (850) 283-6653  
DSN: 523-6653  
Fax: (850)283-6047  
[Mark.Dent.ctr@tyndall.af.mil](mailto:Mark.Dent.ctr@tyndall.af.mil)

Andrews AFB COR  
Mr. Eric Rothermel, 316th CES/CECE  
3710 Fetchet Avenue  
Andrews AFB, MD 20762-4803  
COMM: (301) 981-2403  
DSN: 858-2403  
[eric.rothermel@afncr.af.mil](mailto:eric.rothermel@afncr.af.mil)

## ATTACHMENT A

## ADDITIONAL INSTRUCTIONS FOR CONSTRUCTION OPERATIONS IN ENVIRONMENTAL RESTORATION AREAS

## 1.0 Overview

There are two areas of the airfield currently managed under the Andrews AFB Environmental Restoration Program (ERP). These areas, the Multiple Munitions Response Program (MMRP) Area and Landfill 6 (LF-06) Area, are locations of known contamination and special measures must be taken while working in these areas. The munitions sources are limited to expended skeet shot and small arms slugs. Shell casings are observed on the surface. No unexploded munitions have been found in site surveys, nor expected on the airfield. Historical records review conducted by the Army Corps of Engineers at Andrews AFB do not indicate UXO in this area.

## 2.0 Work Plans for Work Within ERP Managed Areas

The Contractor shall prepare a Work Plan describing the soil characterization and removal from the MMRP and LF-06 Areas. The planning documents shall include a MMRP and LF-06 Site-Specific Work Plan (SSWP). The SSWP shall include Site Specific Sampling and Analysis Plan (SAP), Site Specific Construction Quality Control Plan (CQCP), and Site Specific Quality Assurance Project Plan (QAPP). The Contractor shall prepare a draft, draft final and final report. Prior to implementation, the SSWP shall be approved by the CO.

The Contractor shall be responsible for the quality of all required chemistry services performed. The Contractor shall ensure that all chemistry-related tasks are conducted in accordance with the project-specific Sampling and Analysis Plan (SAP). The Contractor shall identify a Project Chemist as key personnel in the project SAP. The Project Chemist shall act as a POC on all chemistry-related issues and shall be responsible for ensuring that all Data Quality Objectives (DQOs) are met. The Contractor shall develop project-specific DQOs designed to ensure data of adequate quality are collected to support project decisions. DQOs shall be developed in accordance with USEPA QA/G4, Guidance for the DQO Process (most recent version) and documented in the project SAP.

All laboratory services shall be conducted in accordance with the QAPP. All field sampling shall be conducted in accordance with the SAP. The AFCEE QAPP serves as a guidance document in the development of the project specific QAPP. The Contractor shall ensure that all requirements specified in the project SAP are met. If not met, the Contractor may be required to re-accomplish sampling at the Contractor's expense. The Contractor shall conduct audits, administer a performance evaluation sample program, verify and validate data, and perform corrective actions in accordance with the project SAP.

The Contractor shall select a laboratory with analytical capabilities sufficient for the methods specified in the SAP and adequate throughput capacity to handle the project's analytical workload during all field activities. The Contractor shall ensure that the selected laboratory meets all Federal requirements.

The Contractor shall ensure that all hard copy and electronic data deliverables supplied by the laboratory are complete and adequate to support the quality and usability of the data. Raw data packages shall be submitted to the AF upon request. Data packages shall include all information required to re-create the analysis, including correspondence with the laboratory regarding exceeding quality assurance/quality control (QA/QC) measurements and documentation of corrective actions.

Contractor shall create and maintain in one location written and electronic records sufficient to recreate each sampling, analytical, testing and monitoring event, and shall make these records available to the government upon request. The Contractor shall maintain records of, and derived from, all activities outlined in the appropriate portion of the QAP supporting the generation of these sampling and analysis records. The Contractor shall also retain written calculations using information obtained from sampling, analysis monitoring, and testing activities, to include all raw data. All information shall be provided to the Government.

The Contractor shall meet any Environmental Resources Program Information Management System (ERPIMS) data deliverable requirements. The Contractor shall record and enter field and laboratory data into a computerized submission format in accordance with the ERPIMS Data Loading Handbook (DLH). The DLH is available for download at [http://www.afcee.brooks.af.mil/ms/msc\\_irp.asp](http://www.afcee.brooks.af.mil/ms/msc_irp.asp). The Contractor shall be responsible for the accuracy and completeness of all data submitted. All data submitted by the Contractor shall correspond exactly with the data recorded in the original laboratory reports and other documents associated with sampling and laboratory tasks.

### 3.0 Recordkeeping for Work Within ERP Managed Areas

The Contractor shall record in field logbooks a detailed accounting of all small arms, clay pigeons or other debris related items encountered at the project site. This accounting shall include the standard official nomenclature, condition of the item, location, and disposition of each item. All work activities shall be recorded in a Daily Operations Report provided to COR.

### 4.0 After Action Report for work within ERP Managed Areas

The Contractor shall document all processes, procedures, and results in an After Action Report (AAR). The After Action Report shall include all necessary information, including field notes, laboratory results, waste manifests / bills of lading, and photographic documentation of the investigation and removal. The Draft AAR shall be submitted within 45 calendar days of completion of the field work. The Contractor shall prepare a Draft, Draft Final, and Final Version of the AAR.

### 5.0 Applicable Documents

The Contractor shall obtain and comply with, but not be limited to, the provisions contained in the following specific documents:

- a) Resource Conservation and Recovery Act (as amended by the Hazardous and Solid Waste amendments of 1984), subtitle C, "Hazardous Waste Management."
- b) The Clean Water Act, Title 3, "Standards and Enforcement", and Title 4, "Permits and Licenses".
- c) Title 40, Code of Federal Regulations (40 CFR) 260-282, Hazardous Waste
- d) 49 CFR 100-185, Hazardous Materials Regulations
- e) Code of Maryland Regulations (COMAR) 26.08, Water Pollution
- f) COMAR 26.13, Disposal Of Controlled Hazardous Substances
- g) Air Force Instruction (AFI) 32-7041, Water Quality Compliance, 13 May 1994, 15 pages
- h) AFI 32-7042, Solid and Hazardous Waste Compliance, 12 May 1994, 16 pages

### 6.0 Notification Requirements

The Contractor is required to notify the CO and COR of critical issues that may affect the contract performance and/or human health and the environment. The types of issues that require notification include, but are not limited to, health risks, spills, and changes in critical personnel, and finding unexploded ordnance (UXO). As an example, if UXO were discovered during field activities, the Contractor would be required to immediately stop work, report the discovery to the base POC, CO, and COR, and implement the appropriate safety precautions. Field activities could not continue until clearance was received from the CO. On critical issues, verbal notification should be made immediately, followed by written notification as soon as practical.

### 7.0 Multiple Munitions Response Program (MMRP) Area – Unpaved Area from Station 82+10 to Station 100+00

MMRP Area Overview: This portion of the airfield is an impact area for the skeet and trap range and small arms range from 1960 - 1990s. That range is located to the west along Wisconsin Road; however recent field delineations have identified lead shot within the footprint of this project. An extensive amount of lead shot, clay pigeons, and small arms related debris are located in the surface soils to south of the paved portions of the airfield. The contractor shall remove, characterize, and properly dispose of lead and Poly-Aromatic Hydrocarbon (PAH) contaminated soils from the construction project limits of disturbance that exceed the screening criteria.



This guidance is due to the project sites location at the headwaters of Piscataway Creek, which contains downstream stretches designated as sensitive Tier 2 areas of degraded water quality. On May 12, 2009, President Obama signed Executive Order (E.O.) 13508 on Chesapeake Bay Protection. The degraded quality of waters within the Chesapeake Bay watershed is driving increased enforcement activity and tightening standards among state regulators for construction activities, assessment of impacts to wetlands, and other adverse impacts due to non-point source pollution and other sources of contaminants. Historic DOD waste sites located near streams are of particularly high concern and drive conservative clean-up criteria.

The Contractor shall investigate and remove any lead and PAH contaminated soil from the limits of disturbance for this construction project at the MMRP Area. The contaminated soil (estimate 32,500 cubic yards) shall be removed and disposed in accordance with all local, state, and federal laws. Almost 10 acres of the MMRP Area are covered in lead shot and clay pigeon debris, but may not necessarily have contaminated soil. Documentation indicating the proper disposal of the lead and other wastes must be provided to the CO.

All contaminated soil within the limits of disturbance within the MMRP Area shall be vertically removed until concentrations are below the EPA Regional Screening level of 400 parts per million in the soil.

All contaminated soil within the limits of disturbance within the MMRP Area shall be removed to a depth where total PAH concentrations are below 6.7 parts per million (ecological clean up level established for LF-05, a separate Andrews ERP site reviewed by EPA and MDE).

At least 30 representative samples (i.e. horizontal / vertical delineation) shall be collected post-removal to confirm that contamination has been sufficiently removed. The samples shall be analyzed via EPA methods SW8310 (for PAHs) and EPA method SW7421 or SW6010B (for Lead).

Furthermore, the Contractor shall maintain the work site to prevent the spread of contamination, provide for the safety of all individuals in the vicinity of the work site areas, and prevent the release of any contamination to the environment. The work site shall be well marked to prevent inadvertent entry into all work areas. Access to work areas shall be monitored and thoroughly controlled. Standard work zones and access points for controlled operations shall be established and maintained as the site conditions warrant. The Contractor shall ensure compliance with any federal, state, and local regulations and QA/QC protocols and procedures for decontaminating tools, equipment, or other materials, as required. At all times, keep the work area free from accumulation of waste and non-essential hazardous materials.

The removal areas shall all be backfilled with clean soil/top soil as needed to establish final designed grades and ensure proper stabilization and vegetation. The disturbed areas shall be stabilized and re-seeded to allow for the proper vegetation growth.

The Contractor shall dispose of all metallic items (munitions debris, scrap metal, etc) in accordance with DODI 4140.62. The Contractor shall dispose of all debris from the limits of disturbance for this construction project at the MMRP Area, and the Contractor shall follow all DOD and local, state, and federal regulations when carrying out this task.

#### 8.0 Landfill-6 (LF-06) Area - From Station 70+00 to Station 82+10

LF-06 Area Overview: This portion of the airfield has been used as a landfill and former DRMO yard from the 1950s – 1960s. Activity of the former DRMO yard included the storage of electrical transformers which has resulted in PCB contamination of surface soils. Additional lead shot and clay pigeon debris from the former skeet ranges are present in the northern half of the LF-06 Area.

Any soil removed from the LF-06 Area must be considered potentially contaminated with PCB, lead and PAH. The potentially contaminated soil shall be removed, tested and disposed of in accordance with all local, state, and federal laws. For all areas that will be disturbed as part of construction within LF-06, the Contractor shall remove any potentially PCB, lead and PAH contaminated soil to a depth of 6 inches or to the depth of disturbance. These areas should be backfilled with clean fill, topsoil, geofabric, and/ or crushed stone in such a manner as to allow for the construction of the project without spreading contamination via surface water, or tires and treads of vehicles.

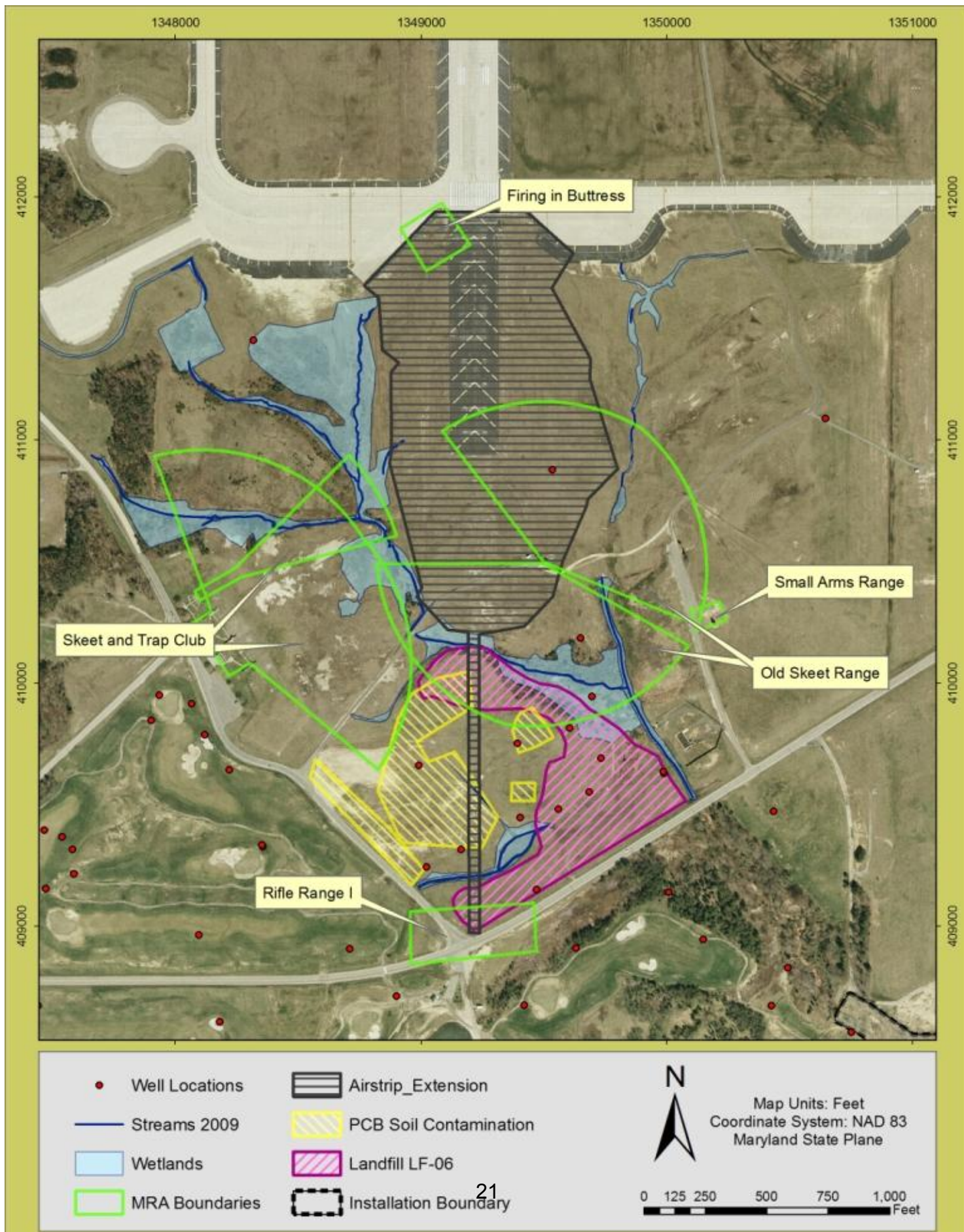


Soils and cuttings removed to construct the utility runs in and around LF-06 shall be analyzed and disposed of accordance with all local, state, and federal laws. Estimate volume of soils removed from LF-06 to be 1,000 cubic yards soils as part of the construction operations.

Furthermore, the Contractor shall maintain the work site to prevent the spread of contamination, provide for the safety of all individuals in the vicinity of the work site areas, and prevent the release of any contamination to the environment. The work site shall be well marked to prevent inadvertent entry into all work areas. Access to work areas shall be monitored and thoroughly controlled. Standard work zones and access points for controlled operations shall be established and maintained as the site conditions warrant. The Contractor shall ensure compliance with any federal, state, and local regulations and QA/QC protocols and procedures for decontaminating tools, equipment, or other materials, as required. At all times, keep the work area free from accumulation of waste and non-essential hazardous materials.

The removal areas shall all be backfilled with clean soil/top soil as needed to establish final designed grades and ensure proper stabilization and vegetation. The disturbed areas shall be stabilized and re-seeded to allow for the proper vegetation growth.

The Contractor shall dispose of all metallic items (munitions debris, scrap metal, etc) in accordance with DODI 4140.62. The Contractor shall dispose of all debris within the area of disturbance for the construction project within the LF-06 area, and the Contractor shall follow all DOD and local, state, and federal regulations when carrying out this task.



## ATTACHMENT B

SECURITY ESCORTS FOR CONSTRUCTION ACTIVITIES  
JOINT BASE ANDREWS, CAMP SPRINGS, MARYLAND

1.0 DESCRIPTION OF SERVICES: Contractor shall furnish all labor, materials, supervision, and equipment to provide security escorts for construction activities for the West Runway 01L-19R at Joint Base Andrews, MD, in accordance with this SOW.

Approximately 30 days prior to the start of airfield construction operations the Contractor shall provide a site Security Plan to the Base COR, AAFB Security Forces, and the CO. The Security Plan shall layout the Contractor's proposed methodology for providing escorts and gate security personnel for the Construction operations. The document shall be approved prior the start of field operations.

## 1.1 Personnel Requirements

1.1.1 Contractor shall provide one (1) badged escort to every seven (7) non-badged employees. Contractor escort shall maintain surveillance of assigned area and personnel at all times, until properly relieved by another escort. Escort shall be dedicated to their task and not utilized for other actions (i.e. An equipment operator cannot escort while conducting his assigned construction duties).

1.1.2 Contractor shall provide gate security personnel at entry point(s) onto the airfield and at any point crossing active airfield pavement (i.e. taxiways). The Contractor shall provide for usage of a physical barrier(s) that are to be in place at the active airfield crossings to prevent unauthorized access on to the airfield pavement.

1.1.2.1 Contractor escorts/security personnel will be required to obtain and maintain an Andrews AFB flightline driver's license and provide and maintain vehicles to perform escort services.

1.1.3 Contractor escorts/security personnel shall be able to read, write, and understand verbal commands in English. The personnel shall also have an understanding of maps and airfield layouts.

1.1.4 Contractor escorts/security personnel shall be able to stand or walk for extended periods of time (over 1 hour).

1.1.5 Contractor escorts/security personnel shall possess or obtain a recent (less than six months) Local Agency National Criminal Information Center (NCIC) check and obtain an Andrews AFB security check.

## 1.2 General Operations

1.2.1 Contractor shall check in at the beginning and end of each duty day with the 316 Civil Engineer Squadron QAE or his/her representative, and the 316 Operations Support Squadron. The QAE or his/her representative will provide daily escort assignments.

1.2.2 Contractor escort/security personnel shall escort assigned contract personnel to project sites and, as required, remain on site for the duration of a work shift to maintain surveillance.

1.2.3 Contractor shall provide means to communicate with the QAE or his/her representative or 316th Security Forces Squadron to report suspicious activities by escorted contractor(s). The Contractor may be required to provide 316th Security Forces incident reports or signed statements in the event of a security breach.

1.2.4 Contractor may be required to perform escort responsibilities either inside or outside and in any type of weather. The Contractor shall provide all gear and clothing necessary to withstand working in inclement weather.

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1.2.5 The Contractor may be subject to moderate risks or discomforts that require special safety precautions. These situations may expose the Contractor to a variety of hazards associated with maintenance, repair, and minor construction activities including high noise levels, dust, moving equipment, and the weather. Contractor shall provide all personal protective equipment that may be required on job sites. This includes, but is not limited to, safety glasses and shoes, hearing protection, hardhat, goggles, and similar clothing.

### 1.3 Airfield Operations

1.3.1 Contractor shall provide and maintain UHF hand-held radios and chargers to communicate with the airfield tower to request and execute movements on the airfield. All radios shall have a unique identification number / call sign that are in accordance with Andrews AFB airfield operations procedures. Contractor shall lead all assigned personnel around the airfield following all posted signage, airfield tower direction, restricted area requirements and aircraft movements. Contractor shall turn over to the Government all radios, chargers, batteries, and accessories purchased for the project at the conclusion of project operations.

1.3.2 The Government will provide airfield drivers training to the necessary project personnel. The Contractor shall notify the Government in writing of the personnel requiring flightline driving training a minimum of 10 days prior to the need. All personnel will be required to take and pass the airfield drivers test at the completion of training. Any Contractor personnel not capable of passing the test after two (2) retakes shall be replaced with another qualified personnel.

2.0 SERVICES AND RESOURCES: Contractor shall provide all facilities, material, tools, and labor necessary to complete this contract. The government will provide electric, water, and sewer utilities; police protection; fire protection; and emergency medical services. However, any medical expenses incurred by contractor personnel shall be the responsibility of the contractor.

### 3.0 GENERAL INFORMATION:

3.1 Damage: Contractor shall repair or replace any government property damaged by the contractor at no additional expense to the Government.

3.2 Emergency: In the case of an emergency, the QAE, Base Fire Chief, and Base Operations Officer, or their representative, shall have the authority to order the contractor to terminate work and clear the area of personnel and equipment.

3.3 Security: The contractor shall conform to all Base Regulations and directives that pertain to security, safety, traffic, fire and personnel clearances. To obtain passes for all work on Andrews AFB, the contractor shall submit the following information on each employee no later than 10 working days before expected arrival on base to 316 CES/CECC at (301) 981-7402:

- a. Full Name of Individual
- b. Social Security Number
- c. Company Name
- d. Vehicle Driver's License
- e. Vehicle State and Tag Number
- f. Project individual is working

Contractor personnel will then have to report to the Visitor's Control Center to obtain passes.



Attachment C  
West Runway Environmental Assessment Commitments

The following excerpts are from the EA conducted for the West Runway at Andrews AFB dated 2010. The page number indicated for each item correspond to the page number of the EA from which the commitment was stated.

1. Prior to the start of construction, appropriate permits and approvals would be obtained. Any required mitigation will be conducted. (pg 1-7)

PERMIT	PERMIT AGENCY	AGENCY TO OBTAIN PERMIT
Individual Permit for Stormwater Associated with Construction Activity	Maryland Department of the Environment (MDE)	AFCEA (with AECOM)
Section 404 Permit for working in a wetland	USACE	316 CES
MDE waterways permit & water quality certification	Maryland Department of the Environment (MDE)	316 CES
Air Permit to Construct	MDE	Contractor in coordination with 316 CES
Special Use Permit	NPS	Contractor and 316 CES

2. Prior to initiation of construction activities, plans and documents would be prepared to provide environmental controls, including stormwater management and erosion and sediment control. The best management practices (BMPs), according to Maryland State Standards, proposed to control erosion and sedimentation by including silt fence and stabilized construction entracts at various entry/exit locations, earth dikes, straw bale dikes, and erosion control matting. The disturbed areas would include linear narrow strips of land running along existing pavements, demolition and reconstruction of existing pavements, temporary access roads, concrete batch plant, and stockpile areas. Disturbed areas would be hydroseeded to re-establish airfield turf. The construction staging area would be provided with adequate BMPs to perform the proper level of control. (pg 2-2)
3. Prior to construction activities, full coordination with the Environmental Restoration (ERP) Chief at 316 CES/CEAN would be required for preservation of monitoring wells, avoidance of impacts to areas of concern, and soil testing requirements for materials brought into or removed from the project area. (pg 2-2)
4. Stockpiling and disposal of soil materials from the Landfill Site (LF-06) would be conducted in accordance with applicable state and federal regulations. (pg 2-2, pg 3-16, 4-2/3 & 4-10)
5. Soils excavated at Military Munitions Response Program (MMRP) sites at the south end of the project area would require stockpiling, sampling, and analysis prior to off-site disposal. (pg 2-2, 3-16, 4-2/3 & 4-10)
6. Should natural and/or cultural resources be encountered during the construction, work would stop and the discovery reported to the 316 CES. (pg 2-3 & 4-9/10)
7. Construction debris is disposed of at an offsite landfill by the contractor responsible for any renovation or demolition activities (pg 3-19)
8. During any work in an ERP or MMRP site, a certified industrial hygienist will be present to oversee construction operations and ensure proper handling, sampling, and placement of any contaminated material. (pg 3-23)
9. Short term minor impacts to Suitland Parkway could occur during the placement of approach lights at the northern end of the project area. The proposed action includes boring under this road for the installation of new cable and conduit for airfield approach lighting. As this road is managed by the NPS and is on the NRHP, coordination is required for any work in this area with the NPS and the Maryland SHPO. (pg 4-2 & pg 4-5)
10. As Piscataway Creek is an impaired water and requires an individual permit for Stormwater associated with a construction activity. This permit would include the preparation of a stormwater management plan and a Soil Erosion and Sediment Control Plan. These permits and approvals must be obtained prior to the start of construction. (pg 4-2)

11. Henson Creek will be affected at the north end of the construction project (approach lighting) and will require coordination with the NPS and an MDE waterway permit – to include a water quality certification. These are required prior to the start of construction (pg 4-5)
12. The municipal groundwater supply provided to the Base would not be used for the repair activities. (pg 4-4) (UNDER REVIEW)
13. Best management practices would be incorporated to minimize short term negative impacts to surface water resources. (pg 4-5)
14. An “Individual Permit for Stormwater Associated with Construction Activity” is required. (pg 4-5)
15. The proposed action would have a temporary impact on the wetlands on the northern end of the runway and a long-term impact on the existing wetlands on the southern end of the runway. Appropriate permits from Maryland and USACE would be obtained prior to any ground disturbing activity. (pg 4-6)
16. Disturbed areas will be reseeded to restore vegetative conditions. (pg 4-6)
17. The construction contractor will file a Spill Prevention and Countermeasures Plan with the base or adopt the existing base plan as part of addressing the potential hazardous waste issue. The existing procedures outlined in AFOSH will be followed for handling and storage of hazardous materials. The contractor will remove hazardous waste generated by fueling and maintenance for disposal at their own facilities. The excavation of asphalt would not generate hazardous waste and offsite disposal of any construction waste would be to approved landfills. (pg 4-10)
18. To minimize traffic impacts the contractor will implement the following measures (pg 4-11) :
  - Provide adequate off-street parking for all construction workers to avoid congestion near roadsides
  - Encourage construction workers to carpool to the site
19. The proposed action would require the base to obtain the appropriate NPDES permit for construction activities from MDE prior to the start of construction. (pg 4-11)
20. Construction debris would be disposed of at an offsite landfill by the contractor. (pg 4-12)
21. Construction crews would be required to comply with all applicable laws regarding solid waste handling, composting, recycling and/or disposal (pg 4-12)
22. Contract specifications will be implemented to protect the workers. These specifications will include preparation of a site-specific accident prevention plan and hazardous materials use plan. Personnel engaged in soil excavation activities would have current hazardous waste training in accordance with 29 CFR 1910.120, Hazardous Waste Operation and Emergency. The contractor will prepare and implement a Health and Safety Plan. Excavated soil will be handled to avoid and minimize the potential impact to personnel health and safety by dust control and petroleum hydrocarbon containment as necessary. (pg 4-15)
23. IAW the 316 CES/CEAN memo of 17 Jul 2009, the contractor shall prepare a site specific plan for work within this site detailing the methods, phasing, locations of excavations, stockpiling and handling procedures and sampling plan. This site specific plan is approved by the JB Andrews ERP. (pg 4-15)
24. Generation of fugitive dust would be minimized through the use of appropriate dust control measures (i.e., wetting the surfaces and through the revegetation of disturbed areas as soon as possible). (pg 4-3)

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Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
0001AA	Destination	Government	Destination	Government



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## Section F - Deliveries or Performance

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	19-SEP-2011		N/A FOB: Destination	
0001AA	19-SEP-2011	1	AETC CONS/LGCT (GLORIA J. WILSON) GLORIA J. WILSON C/O HQ AFCESA/CEKC 139 BARNES DRIVE, STE 1 TYNDALL AFB FL 32403-5319 850-283-6711 FOB: Destination	FA3002

## Section G - Contract Administration Data

## ACCOUNTING AND APPROPRIATION DATA

AA: 5703400 300 K95W 374421 020000 52400 41978F 667100 F67100 WO:A36301 ALD:AA FSR:007494 PSR:182131 DSR:448565  
 AMOUNT: \$81,231,252.00  
 CIN FID3260112H0010000AA: \$81,231,252.00

WAWF INVOICING

## Local Clause – WAWF (Construction Contracts)

## IAW DFARS 252.232-7003 - Electronic Submission and Processing of Payment Requests

1. During the performance of the subject contract, invoices will be submitted and accepted using the WAWF web-based system. For information on WAWF, including web-based training, visit the web-site at: <https://wawf.eb.mil/> and click on “About WAWF.” The web-site also contains detailed instructions for setting up your computer to achieve the best results with the system. If you are already familiar with WAWF, the information that follows will assist you in self registering to submit invoices for the subject contract.

2. The following are the codes needed to input a “Construction” type invoice in WAWF for the subject contract:

Issued by:	DoDAAC: FA3002
Administered by:	DoDAAC: FA3002
Inspect By:	DoDAAC: FA4819, Extension: F4ATA5
Service Acceptor:	Code: FA4819, Extension: F4ATA5
Payment Official	DoDAAC: F67100

3. To facilitate prompt, accurate processing of your invoices through WAWF, please set up email notifications for the following:

COR: eric.rothermel@andrews.af.mil  
 CORA: mark.dent@tyndall.af.mil  
 CO: todd.cook@tyndall.af.mil  
 CA: lane.bramblett.ctr@tyndall.af.mil  
 Approver : ann.robinson@tyndall.af.mil

4. On the Line Item tab under description, FA3002-08-D-0011-0005, Repair West Runway, Andrews AFB, MD, enter the total amount of the project; the amount and percentage previously invoiced; and the current invoice amount and percentage.

5. For construction projects, Contract Progress Reports, AF IMT 3065 and Contract Progress Schedules, AF IMT 3064, will be coordinated and signed by the Government base Point of Contact (POC) or Contracting Officer Representative (COR) prior to submitting invoices and attached in WAWF at time of invoice submission. Attach all other supporting documentation (i.e. invoices, monthly reports, release of claims etc.) in WAWF as well.

6. For questions regarding WAWF, contact the Customer Support section at (801) 605-7095. For questions regarding the contract, contact the Contract Advisor at 850-283-6565 or DSN 523-6565.

7. Changes to the email addresses or Contracting Officer noted above will be made via email. All other changes will be made through modification.

8. NEW INSTRUCTIONS FOR TRANSPORTATION CHARGES: In accordance with FAR 47.303-17, 52.247-65, and 52.247-67, when miscellaneous transportation charges exceed \$100.00, WAWF now will require an attachment that provides documentation to substantiate the charges. Without the attachment the invoice will not flow to the payment office and is not considered a proper invoice. When commercial invoices, or any finance document with the capability of including miscellaneous transportation charges, do not have an attachment WAWF will:

a. Accept the vendor's FTP and EDI transactions but will place them in a new "Documentation Required" folder. The vendor will have to access WAWF via the web and attach the supporting documentation before the transaction can be processed further.

b. Allow for web input of a combo transaction only if inspection is at source (origin). The invoice will be placed in the new "Documentation Required" folder. The vendor will have to access WAWF via the web and attach the supporting documentation to the invoice before the transaction can be processed further. All other types of web input transactions will require the supporting documentation be attached before they may be created.

## Section H - Special Contract Requirements

SUPERINTENDENCE

**Superintendence by the Contractor:** One week prior to the start of performance, designate in writing to the Contracting Officer, the name of the individual to serve as the project superintendent and alternate. Provide name, telephone number and after hours number.

LDS AND BONDS**52.211-12 LIQUIDATED DAMAGES-CONSTRUCTION (SEP 2000)**

- (a) If the Contractor fails to complete the work within the time specified in the contract, the contractor shall pay liquidated damages to the Government in the amount of \$4,910.25 for each calendar day of delay until the work is completed or accepted.
- (b) If the Government terminates the contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess cost of repurchase under the Termination Clause.

(End of Clause)

**PERFORMANCE AND PAYMENT BONDS -- CONSTRUCTION (SEP 2005)**

- (a) Definitions. As used in this clause --

“Original contract price” means the award price of the contract; or, for requirements contracts, the price payable for the estimated total quantity; or, for indefinite-quantity contracts, the price payable for the specified minimum quantity. Original contract price does not include the price of any options, except those options exercised at the time of contract award.

- (b) Amount of required bonds. Unless the resulting contract price is \$100,000 or less, the successful offeror shall furnish performance and payment bonds to the Contracting Officer as follows:

(1) Performance Bonds (Standard Form 25). The penal amount of performance bonds at the time of contract award shall be 100 percent of the original contract price.

(2) Payment Bonds (Standard Form 25-A). The penal amount of payment bonds at the time of contract award shall be 100 percent of the original contract price.

(3) Additional bond protection.

(i) The Government may require additional performance and payment bond protection if the contract price is increased. The increase in protection generally will equal 100 percent of the increase in contract price.

(ii) The Government may secure the additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

- (c) Furnishing executed bonds. The Contractor shall furnish all executed bonds, including any necessary reinsurance agreements, to the Contracting Officer, within the time period specified in the Bid Guarantee provision of the solicitation, or otherwise specified by the Contracting Officer, but in any event, before starting work.

- (d) Surety or other security for bonds. The bonds shall be in the form of firm commitment, supported by corporate sureties whose names appear on the list contained in Treasury Department Circular 570, individual sureties, or by other acceptable security such as postal money order, certified check, cashier's check, irrevocable letter of credit, or, in accordance with Treasury Department regulations, certain bonds or notes of the United States. Treasury Circular 570 is published in the Federal Register or may be obtained from the:

U.S. Department of Treasury  
Financial Management Service  
Surety Bond Branch

401 14th Street, NW, 2nd Floor, West Wing  
Washington, DC 20227

(e) Notice of subcontractor waiver of protection (40 U.S.C. 3133(c)). Any waiver of the right to sue on the payment bond is void unless it is in writing, signed by the person whose right is waived, and executed after such person has first furnished labor or material for use in the performance of the contract.

(End of Clause)

**DAVIS BACON GENERAL DECISION**

MD080016 MOD 4 REVISED 05/29/09 MD16

\*\*\*\*\* THIS WAGE DETERMINATION WAS REPLACED ON 05/29/09\*\*\*\*\*

General Decision Number: MD080016 05/01/2009

Superseded General Decision Number: MD20070016

State: Maryland

Construction Type: Highway

Counties: Montgomery and Prince George's Counties in Maryland.

HIGHWAY CONSTRUCTION PROJECTS (Excluding tunnels, building structures in rest area projects and railroad construction; bascule, suspension and spandrel arch bridges; bridges designed for commercial navigation; bridges involving marine construction; and other major bridges)

Modification Number	Publication Date
0	02/08/2008
1	05/02/2008
2	05/09/2008
3	05/30/2008
4	05/01/2009

\* CARP0132-002 05/01/2009

	Rates	Fringes
Piledriver.....	\$ 24.48	7.70
-----		
ELEC0070-004 05/05/2008		

	Rates	Fringes
Street Lights, Traffic Signal and Traffic Signal Controls		
Groundmen.....	\$ 8.47	8.75%+4.75
Street Light Traffic Control Technician.....	\$ 19.48	8.75%+4.75
-----		
ENGI0077-013 05/01/2008		

	Rates	Fringes
Power equipment operators:		

FA3002-08-D-0011

0005

Page 27 of 29

Cranes (35 tons and above)...	\$ 28.74	7.17+a
Cranes (Under 35 tons).....	\$ 28.28	7.17+a
Mechanics.....	\$ 30.11	7.17+a

a. PAID HOLIDAYS: New Year's Day, Inaugural Day, Decoration Day, Independence Day, Labor Day, Martin Luther Kings Birthday, Veterans' Day, Thanksgiving Day, Friday after Thanksgiving and Christmas Day.

-----  
IRON0201-003 05/01/2008

	Rates	Fringes
Ironworker (Reinforcing).....	\$ 26.15	12.08

-----  
SUMD2003-001 01/02/2003

	Rates	Fringes
Carpenters (Including Formsetting).....	\$ 16.15	
Cement Mason/Finisher.....	\$ 15.11	
Electricians.....	\$ 27.33	4.94
Ironworkers, Structural.....	\$ 20.85	

Laborers:

Air Tool Operators.....	\$ 11.35
Asphalt Rakers/Luteman.....	\$ 13.05
Concrete Saw.....	\$ 18.13
Flagger/Traffic Control.....	\$ 12.60
Landscape.....	\$ 10.05
Mason Tender, Cement.....	\$ 11.93
Pavement Marker.....	\$ 13.17
Pipelayers.....	\$ 11.79
Screed.....	\$ 14.46
Unskilled.....	\$ 11.20

Painters, Brush and Roller.....\$ 23.00

Power equipment operators:

Asphalt Distributor.....	\$ 14.45	
Backhoes.....	\$ 17.46	
Bobcats.....	\$ 15.51	
Bulldozers.....	\$ 17.46	
Excavators.....	\$ 18.97	
Gradalls.....	\$ 18.03	2.76
Loaders.....	\$ 15.14	
Milling Machine.....	\$ 15.43	
Oilers.....	\$ 15.05	2.98
Pavers.....	\$ 15.70	2.35
Rollers.....	\$ 13.92	
Screed.....	\$ 14.90	
Sideman.....	\$ 11.17	
Sweeper.....	\$ 12.59	

Truck drivers:

Dump.....	\$ 13.45
-----------	----------

Tack.....\$ 15.28  
 Water.....\$ 12.72

-----  
 TEAM0639-006 03/07/2004

	Rates	Fringes
Truck drivers:		
Boom Truck		
Two Axle/Tandem.....	\$ 16.00	5.82+a
a. VACATION: Employees will receive one (1) week's paid vacation after one (1) year of service.		

-----  
 WELDERS - Receive rate prescribed for craft performing  
 operation to which welding is incidental.  
 =====

Unlisted classifications needed for work not included within  
 the scope of the classifications listed may be added after  
 award only as provided in the labor standards contract clauses  
 (29CFR 5.5 (a) (1) (ii)).

-----  
 In the listing above, the "SU" designation means that rates  
 listed under the identifier do not reflect collectively  
 bargained wage and fringe benefit rates. Other designations  
 indicate unions whose rates have been determined to be  
 prevailing.  
 -----

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can  
 be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on  
a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests  
 for summaries of surveys, should be with the Wage and Hour  
 Regional Office for the area in which the survey was conducted  
 because those Regional Offices have responsibility for the  
 Davis-Bacon survey program. If the response from this initial  
 contact is not satisfactory, then the process described in 2.)  
 and 3.) should be followed.

With regard to any other matter not yet ripe for the formal  
 process described here, initial contact should be with the  
 Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
 Wage and Hour Division



U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION

## **EXHIBIT B**

**Tutor Perini Corporation**  
73 Mt. Wayte Avenue  
Framingham, Massachusetts 01701-9160  
T: 508.628.2000 F: 508.628.2960



April 28, 2016

U.S Department of Defense  
722 ESS/PKD  
139 Barnes Drive, Suite1  
Tyndall Air Force Base, FL 32403-5319

Attn: Ronald Wilson  
Jeremy Morrill

Re: AAFB-Repair/Replace Runway 01L/19R  
Contract No. FA 3002-08-D-0011-005  
CHC Job No. 1113  
CDA Claim

Dear Gentlemen:

Please find the enclosed Contract Disputes Act of 1978 and FAR Clause 52.233-1 Disputes Claim for the Repair/Replacement of Runway 01L/19R, Andrew's AFB, Maryland in the amount of \$38,345,681.

As always, please contact me at your convenience should you be in need of further information or clarifications regarding this matter.

Very truly yours,

**Tutor Perini Corporation**

A handwritten signature in blue ink, appearing to read 'Kevin J. Woods', written over the printed name.

Kevin J. Woods  
Senior Vice President

Enclosures

cc: File/Field/J Gerstenlauer/S. Pavoggi

# Repair/Replacement of Runway 01 L/19R, Andrews AFB, Maryland

## **Contract Disputes Act of 1978 and FAR Clause 52.233-1 Disputes Claim**

**April 28, 2016**

Project AJXF-05-1510

Contract FA3002-08-D-0011-0005



**Tutor Perini**  
CORPORATION

**Repair/Replacement of West Runway 01L/19R  
CDA Tutor Perini Corporation**

**Conversion of Request for Equitable Adjustment to Contract Disputes Act Claim**

Tutor Perini Corporation (TPC) submits this Contract Disputes Act (CDA) Claim on the Andrews AFB Repair/Replacement of West Runway 01L/19R ("project"). As provided for in FAR Clause 52.233-1 Disputes, which was added by reference, in Modification P00011 to the SATOC Contract FA3002-08-D-0011, the contract is subject to the Contract Disputes Act of 1978. The Request for Equitable Adjustment, previously submitted to the government on October 23, 2014, in the amount of \$34,959,685 (**Exhibit A**), and updated on April 21, 2015, to \$38,302,403 (**Exhibit B**), after further updates is converted to a claim under the Act by complying with the submission and certifications requirements of FAR Clause 52.233-1. Since submission of the Request for Equitable Adjustment, resolution has not occurred with respect to any of the issues and has not been acted upon in a reasonable time. The final claim amount of **\$38,345,681** includes updates to the professional services costs and subcontractor amounts resultant from actual billings replacing prior estimated costs. Certification for the Claim is included as **Exhibit C**.

**M.C. Dean's Updated CDA Claim Amount**

M.C. Dean has updated their claim to reflect actual consultant invoice amounts in lieu of prior estimated amounts. Details of this update is included in **Exhibit D**.

Ln No.	TPC Labor – M.C Dean REA	%	Markup	Amount
1	M.C. Dean REA Amount			\$2,503,128
2	Subtotal			\$2,503,128
3	PMSI Division Office Support (% x Line 2)	0.33%	\$8,260	
4	CHC G&A (% x Line 2)	4.56%	\$114,143	
5	Subtotal			\$2,625,531
6	Profit (% x Line 5)	10.00%	\$262,553	
7	Subtotal			\$2,888,084
8	Insurance Premiums (% x Total Cost)	1.05%	\$30,922	
9	Subtotal			\$2,919,006
10	Contractors' Bond Premium (% x Total Cost)	0.88%	\$25,915	
11	<b>Total Cost (Lines 9 + 10)</b>			<b>\$2,944,921</b>



**Repair/Replacement of West Runway 01L/19R  
CDA Tutor Perini Corporation**

**TPC Update of Professional Services**

TPC has updated its pricing for professional services provided by Jacobs Associates. TPC has provided actual invoiced amounts for January 2015 through July 2015 that had been previously estimated. Jacobs Associates reviewed and provided documents relevant to the claim set forth by MCD. As discussed in the TPC REA, these contract administration services were provided due to the problems TPC and MCD experienced during construction of the project arising from directed and constructive changes due to defective original Contract Documents, bad contract administration, access constraint problems, permitting problems, coordination problems between the USAF and the FAA, and improper interpretation of the Contract requirements.

Copies of actual Jacobs Associates invoices from January 2015 through July 2015 are included in **Exhibit E** and are summarized in the table below:

Ln No.	Element of Cost - Professional Services	%	Markup	Amount
1	Jacobs Associates Professional Services			\$2,296,407
2	Navigant Consulting			\$289,963
3	KPFF Professional Services			\$84,921
4	Nichols Consulting Professional Services			\$9,145
5	Total Direct Costs			\$2,680,436
6	PMSI Division Office Support (% x Line 5)	0.33%	\$8,845	
7	CHC G&A (% x Line 5)	4.56%	\$122,228	
8	Subtotal			\$2,811,509
9	Profit (% x Line 8)	10.00%	\$281,151	
10	Subtotal			\$3,092,660
11	Insurance Premiums (% x Total Cost)	1.05%	\$33,112	
12	Subtotal			\$3,125,772
13	Contractors' Bond Premium (% x Total Cost)	0.88%	\$27,751	
14	<b>Total Cost (Lines 12 + 13)</b>			<b>\$3,153,523</b>

**Repair/Replacement of West Runway 01L/19R  
CDA Tutor Perini Corporation**

**Updated Claim Damage Summary**

This update to TPC's CDA Claim quantifies the additional compensation resulting from the delay and disruption for which the government is responsible. The table below summarizes the total added compensation TPC seeks through this CDA Claim:

<b>Element of Additional Cost</b>	<b>Amounts</b>
Extra Work RCOs	\$3,895,296
Replacement of PCCP Panels	\$10,325,542
Government Credits	(\$819,018)
Time-Related General Conditions - Labor	\$4,326,773
Time-Related General Conditions - Materials / Services	\$1,589,071
Time-Related Equipment Costs (Ownership)	\$3,832,007
Material Escalation	\$11,059
ADP Impact RCOs	\$2,151,222
Labor Inefficiencies	\$1,343,207
Equipment Inefficiencies (Operating Costs)	\$1,253,301
Subcontractor REA	\$2,944,921
Unpaid Contract Balance	\$2,601,219
REA Preparation Costs (TPC & PSMI Labor and Expenses)	\$1,737,558
Professional Services	\$3,153,523
<b>Total</b>	<b>\$38,345,681</b>



CDA – Tutor Perini Corporation  
Repair/Replacement of West Runway 01L/19R,  
Andrews AFB, Maryland

## EXHIBIT A

Refer to Tutor Perini Corporation REA dated October 23, 2014  
accompanying this claim (60 Binders)

CDA – Tutor Perini Corporation  
Repair/Replacement of West Runway 01L/19R,  
Andrews AFB, Maryland

## EXHIBIT B

Refer to Tutor Perini Corporation  
Updated REA dated April 21, 2015  
accompanying this claim (8 Binders)

CDA – Tutor Perini Corporation  
Repair/Replacement of West Runway 01L/19R,  
Andrews AFB, Maryland

## EXHIBIT C

### Certification

**Exhibit C**

**CERTIFICATION**

To Whom It May Concern:

I certify that the claim is made in good faith; that the supporting data are accurate and complete to the best of my knowledge and belief; that the amount requested accurately reflects the contract adjustment for which the Contractor believes the Government is liable; and that I am duly authorized to certify the claim on behalf of the Contractor.

---

Kevin J. Woods  
Senior Vice President  
Tutor Perini Corporation

CDA – Tutor Perini Corporation  
Repair/Replacement of West Runway 01L/19R,  
Andrews AFB, Maryland

## EXHIBIT D

M.C. Dean, Inc. CDA Claim  
Refer to M.C. Dean, Inc. REA  
included in Exhibit B

## **Repair/Replacement of West Runway 01L/19R**


**M. C. Dean, Inc.**

### **CERTIFICATION**

To Whom It May Concern:

The prior REA, dated April 17, 2015, remains unresolved and, with the updated costs and new total, is being submitted as a CDA claim. The estimated costs for Marsh Consulting of \$30,000 (see p. 50 of MC Dean's REA) has been revised to reflect the actual cost of \$32,663.88(see attached invoice). The revised value of the claim based on actual consultancy cost is \$2,503,128

I certify that the claim is made in good faith; that the supporting data are accurate and complete to the best of my knowledge and belief; that the amount requested accurately reflects the contract adjustment for which the Contractor believes the Government is liable; and that I am duly authorized to certify the claim on behalf of the Contractor.



---

Doug Cumins

CFO

M. C. Dean, Inc

Dated: 4/26/16

## MARSH RISK CONSULTING

## INVOICE

Marsh USA Inc.  
Washington DC  
(202) 263-7600

Page	1 of 2
Invoice Total	32,663.88 USD
Invoice No.	541447707608
Invoice Date	07/23/2015
Project Start Date	03/30/2015
Client No.	5414400000
Installment No.	

Billed To: Vijay Khanwalkar, Finance Manager  
M. C. Dean, Inc.  
22461 Shaw Road  
Dulles, VA 20166

Remittance Copy

-----  
Detach and remit this portion with your payment

Client No.	Invoice No.	Payment Due	Invoice Total	Amount Paid
5414400000	541447707608	Per Contract/Agreement	32,663.88 USD	

Thank you for your prompt payment.

Please indicate Invoice 541447707608 on your remittance to:

By Wire: Bank Name: Bank of America  
Wire Routing Number: 026009593  
Account Title: Marsh USA, Inc.  
Account Number: 8188063077

By Mail: Marsh USA, Inc.  
P.O. Box 846015  
Dallas, TX 75284-6015 USA



## MARSH RISK CONSULTING

## INVOICE

Marsh USA Inc.  
Washington DC  
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Vijay Khanwalkar, Finance Manager  
M. C. Dean, Inc.  
22461 Shaw Road  
Dulles, VA 20166

Billed To:

## Reporting

Client: M.C. Dean, Inc.  
Billing Effective Date: 03/30/2015

Project No.	Project End Date	Description	Item	Amount
FAS0034484	03/30/2016	Construction Consulting & Disputes	FEE	30,385.00
FAS0034484	03/30/2016	Admin Fee for Profess Srv	FEE	2,278.88
Invoice Total				32,663.88

## Invoice Comments:

MCD 103135.CON - Andrews AFB Repair West Runway 01L / 19R

## RISK CONSULTING

Page 1

Project No: FAS0034484  
 Project Name: M.C. ANDREWS AFB 15  
 Project Mgr: CURTIS, ROBERT

Client Name: M.C. Dean, Inc.  
 BASYS No: 567963  
 Location: 244

## FEES

Date	Timekeeper	Activity Type	Description	Hours	Amount
03/30/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting at M. C. Dean's Dulles offices to review the project, the history behind the problem, and review cost calculations generally.	3.00	885.00
03/30/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Preliminary review of documents supplied by M. C. Dean on the project claim.	1.50	442.50
03/31/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Call with Tom Eddington to discuss project background	.50	147.50
03/31/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Review of documents and spreadsheets provided by M. C. Dean. Review of previous claim reports and highlighting problem areas.	4.50	1,327.50
04/01/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting at M. C. Dean's Dulles headquarters with Tutor Perini's consultant, Jacobs Engineering, to review and discuss the unresolved claim issues.	8.00	2,360.00
04/02/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Investigating Mortenson case and the calculations utilized by M. C. Dean in its draft REA.	7.50	2,212.50
04/03/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	At M. C. Dean's offices in Dulles, meeting with Mangi and Vijay. Continuing editing of the draft REA.	8.00	2,360.00
04/06/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting with Tom Eddington at M. C. Dean's offices in Dulles.	4.00	1,180.00
04/06/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Continuing with AAFB narrative revisions	4.00	1,180.00
04/07/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Editing and revising narrative and graphics.	9.50	2,802.50
04/08/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Continuing to develop narrative and revise graphics for AAFB.	9.00	2,655.00
04/09/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting at M. C. Dean's Dulles offices. Working with Tom Eddington and Mangi to finalize damage calculations and discuss strategy.	8.00	2,360.00
04/10/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Revising cost narratives to reflect methodology revisions, and finalize cost figures.	8.00	2,360.00
04/13/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Working at M. C. Dean offices in Dulles to finalize the AAFB REA. Reviewing information provided by accounting.	8.00	2,360.00
04/14/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting with Chris form Jacobs, and with Seifu to respond to Jacob's concerns, finalize PCO estimates, and refine the narrative.	10.00	2,950.00
04/16/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Working with Jacobs and M. C. Dean to complete the review, support, and certification of the REA.	9.00	2,655.00
04/20/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Final review of REA. Provided editing comments to M. C. Dean.	.50	147.50
Fee Subtotal				103.00	30,385.00

## EXPENSES

Date	Timekeeper	Description	Amount
Expense Subtotal			.00
Administrative Support Charge ( 7.50% of Fees)			2,278.88
Total Fees and Expenses			32,663.88

## MARSH RISK CONSULTING

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Washington DC  
(202) 263-7600

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Please indicate Invoice 541447707608 on your remittance to:

By Wire: **Bank Name:** Bank of America  
**Wire Routing Number:** 026009593  
**Account Title:** Marsh USA, Inc.  
**Account Number:** 8188063077

By Mail: Marsh USA, Inc.  
P.O. Box 846015  
Dallas, TX 75284-6015 USA

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## RISK CONSULTING

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04/01/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting at M. C. Dean's Dulles headquarters with Tutor Perini's consultant, Jacobs Engineering, to review and discuss the unresolved claim issues.	8.00	2,360.00
04/02/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Investigating Mortenson case and the calculations utilized by M. C. Dean in its draft REA.	7.50	2,212.50
04/03/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	At M. C. Dean's offices in Dulles, meeting with Mangi and Vijay. Continuing editing of the draft REA.	8.00	2,360.00
04/06/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting with Tom Eddington at M. C. Dean's offices in Dulles.	4.00	1,180.00
04/06/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Continuing with AAFB narrative revisions	4.00	1,180.00
04/07/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Editing and revising narrative and graphics.	9.50	2,802.50
04/08/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Continuing to develop narrative and revise graphics for AAFB.	9.00	2,655.00
04/09/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting at M. C. Dean's Dulles offices. Working with Tom Eddington and Mangi to finalize damage calculations and discuss strategy.	8.00	2,360.00
04/10/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Revising cost narratives to reflect methodology revisions, and finalize cost figures.	8.00	2,360.00
04/13/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Working at M. C. Dean offices in Dulles to finalize the AAFB REA. Reviewing information provided by accounting.	8.00	2,360.00
04/14/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Meeting with Chris form Jacobs, and with Seifu to respond to Jacob's concerns, finalize PCO estimates, and refine the narrative.	10.00	2,950.00
04/16/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Working with Jacobs and M. C. Dean to complete the review, support, and certification of the REA.	9.00	2,655.00
04/20/15	CURTIS, ROBERT	CONSULTING/ANALYSIS	Final review of REA. Provided editing comments to M. C. Dean.	.50	147.50
Fee Subtotal				103.00	30,385.00

## EXPENSES

Date	Timekeeper	Description	Amount
Expense Subtotal			.00
Administrative Support Charge ( 7.50% of Fees)			2,278.88
Total Fees and Expenses			32,663.88 =====

CDA – Tutor Perini Corporation  
Repair/Replacement of West Runway 01L/19R,  
Andrews AFB, Maryland

## EXHIBIT E

Tutor Perini Corporation  
Updated Professional Services Costs

**JACOBS ASSOCIATES**

49 Stevenson Street  
3<sup>rd</sup> Floor  
San Francisco, CA 94105

Tutor Perini Corporation  
Attn: Daniel Flanagan  
1000 Main Street  
New Rochelle, NY 10801

May 6, 2015  
Invoice No: 50580019

cc: Castle & Associates – Nomi Castle

Project Manager Carl LaFraugh  
Project 5058.0 Repair/Replacement of West Runway 01L.19R, Andrews AFB, MD

**Professional Services from January 31, 2015 to February 27, 2015**

- 
- Review of MC Dean draft REA
  - Meetings with MC Dean to discuss REA review
    - 2/11/15-2/12/15 and
    - 2/18/15-2/19/15
  - Provided MC Dean comments following review of loss of efficiency calculations and entitlement.
  - Provided MC Dean following review of loss schedule narrative.
  - Provided MC Dean following review of loss calculation of field office overhead.
  - Expenses included the following travel necessary to coordinate the analysis and production of the REA (Note expenses may pre-date the billing period due to lag in submission):
    - 1 trip for Jacobs Associates Principal Carl LaFraugh –to meet with M.C. Dean in Washington DC, 11/19/14 to 11/24/14.
    - 1 trip for Jacobs Associates Principal Carl LaFraugh –to meet with M.C. Dean in Washington DC, 12/14/14 to 12/18/14.
    - 1 trip for Jacobs Associates Principal Carl LaFraugh –to meet with Castle and Associates and TPC in New York City, NY, then Baltimore, MD, 12/18/14 – . 12/20/14.
    - 1 trip for Jacobs Associates Employee, Chris Burke to meet with MC Dean, Washington DC, 12/15/14.
    - 1 trip for Jacobs Associates Employee, Chris Burke to meet with MC Dean, Washington DC, 2/11/15 to 2/12/15.
  - Mailing fees for documents sent from JA Seattle Office to Castle & Associates on 1/27/15 and documents sent from JA Boston Office to MC Dean in Sterling, VA on 2/11/15.



**Invoice****JACOBS ASSOCIATES**

49 Stevenson Street, 3rd Floor  
 San Francisco, CA 94105-2950  
 Phone: 415.434.1822 Fax: 415.956.8502

Daniel Flanagan  
 Tutor Perini Corporation

May 06, 2015  
 Invoice No: 50580019

Project Manager Carl LaFraugh

Project 5058.0 Repair/Replacement of West Runway 01L.19R, Andrews AFB, MD

Professional Services from January 31, 2015 to February 27, 2015

**Professional Personnel**

	Hours	Rate	Amount	
Principal				
LaFraugh, Carl	15.00	275.00	4,125.00	
Sr. Associate				
Carmichael, Ken	8.00	250.00	2,000.00	
Lead Associate				
Burke, Christopher	92.00	235.00	21,620.00	
Totals	115.00		27,745.00	
<b>Total Labor</b>				<b>27,745.00</b>

**Reimbursable Expenses**

Airfare	2,688.03	
Ground Transportation	872.88	
Lodging	2,247.23	
Meals	383.00	
Air Express and Courier	178.13	
<b>Total Reimbursables</b>	<b>6,369.27</b>	<b>6,369.27</b>

**Total Project Invoice Amount \$34,114.27**

**Outstanding Invoices**

Number	Date	Balance
50580018	3/25/2015	13,857.50
<b>Total</b>		<b>13,857.50</b>

Questions regarding this invoice, please contact Nina Rodine at [rodine@mcmjac.com](mailto:rodine@mcmjac.com).

**JACOBS ASSOCIATES**

49 Stevenson Street  
3<sup>rd</sup> Floor  
San Francisco, CA 94105

Tutor Perini Corporation  
Attn: Daniel Flanagan  
1000 Main Street  
New Rochelle, NY 10801

June 19, 2015  
Invoice No: 50580020

cc: Castle & Associates – Nomi Castle

Project Manager Carl LaFraugh  
Project 5058.0 Repair/Replacement of West Runway 01L.19R, Andrews AFB, MD

**Professional Services from February 28, 2015 to March 27, 2015**

Provide claims analysis services to assist MC Dean in the preparation of its comprehensive Request for Equitable Adjustment. These services include:

- Review multiple MC Dean REA drafts
- Meetings with MC Dean to discuss REA review
  - 3/17/15-3/19/15 and 3/25/15-3/26/15
- Provided MC Dean with comments following review of loss of efficiency calculations and entitlement.
- Reviewed MC Dean Change Orders with Cherry Hill Construction to verify current claimed issues were not already paid.
- Provided suggestions for calculating claimed general conditions and home office overhead.
- Provided direction for supporting claimed quantities set forth in MC Dean's pricing of extra work.
- Provided MC Dean with additional project schedule information to assist in their development of its delay claim.
- Expenses included the following travel necessary to coordinate the review and production of the REA (Note: Expenses may pre-date the billing period due to lag in submission.):
  - 3 trips for Jacobs Associates Employee Chris Burke – to meet with MC Dean in Sterling, VA, 2/18/14-2/19/14, 3/17/14-3/19/14, and 3/25/14-3/26/14.
  - Expenses for Jacobs Associates Principal to meet with Chris Burke in New York City to review and discuss MC Dean's draft REA.

**Invoice****JACOBS ASSOCIATES**

49 Stevenson Street, 3rd Floor  
 San Francisco, CA 94105-2950  
 Phone: 415.434.1822 Fax: 415.956.8502

Daniel Flanagan  
 Tutor Perini Corporation

June 19, 2015  
 Invoice No: 50580020

Project Manager Carl LaFraugh

Project 5058.0

Repair/Replacement of West Runway 01L.19R, Andrews AFB, MD

**Professional Services from February 28, 2015 to March 27, 2015****Professional Personnel**

	Hours	Rate	Amount	
Principal				
LaFraugh, Carl	30.50	275.00	8,387.50	
Lead Associate				
Burke, Christopher	45.00	235.00	10,575.00	
Sr. Staff Consultant				
Frankel, Steven	6.00	160.00	960.00	
Totals	81.50		19,922.50	
<b>Total Labor</b>				<b>19,922.50</b>

**Reimbursable Expenses**

Airfare	1,652.21	
Ground Transportation	796.03	
Lodging	453.27	
Meals	199.22	
<b>Total Reimbursables</b>	<b>3,100.73</b>	<b>3,100.73</b>

**Total Project Invoice Amount \$23,023.23**

**Outstanding Invoices**

Number	Date	Balance
50580019	5/6/2015	34,114.27
<b>Total</b>		<b>34,114.27</b>

Questions regarding this invoice, please contact Nina Rodine at rodine@mcmjac.com.

**JACOBS ASSOCIATES**

49 Stevenson Street  
3<sup>rd</sup> Floor  
San Francisco, CA 94105

Tutor Perini Corporation  
Attn: Daniel Flanagan  
1000 Main Street  
New Rochelle, NY 10801

August 7, 2015  
Invoice No: 50580021

cc: Castle & Associates – Nomi Castle

Project Manager: Carl LaFraugh  
Project: 5058.0 Repair/Replacement of West Runway 01L.19R, Andrews AFB, MD

**Professional Services from March 28, 2015 to April 24, 2015**

Provide claims analysis services to assist MC Dean in the preparation of its comprehensive Request for Equitable Adjustment. These services include:

- Meetings with MC Dean and its consultant to discuss REA preparation:
  - 4/1/2015 and 4/14/2015 -4/17/2015
- Met with Bob Curtis, Marsh Consulting, to discuss finalizing the MC Dean REA.
- Reviewed all MC Dean PCOs with MC Dean staff to ensure compliance with FAR requirements.
- Prepared errata report to supplement the TPC Request for Equitable Adjustment submitted in October 2014. Revised claim amounts due to clerical errors in the prior REA submission and updated TPC REA amounts to include MC Dean's REA and additional consulting fees.
- Provided comprehensive review of the final MC Dean REA with Kevin Woods prior to certification and submission to the government.
- Facilitated reproduction of the 7 volume MC Dean REA and performed a quality control check on the final product submitted to the government.
- Expenses included the following travel necessary to coordinate the review and production of the REA:
  - 3 trips for Jacobs Associates Employee Chris Burke -- to meet with MC Dean and its consultant in Sterling, VA, 4/1/2015 and 4/14/2015-4/17/2015.
  - 3 trips for Jacobs Associates Principal Carl LaFraugh to review MC Dean's draft REA in Sterling, VA, 3/18/2015-3/19/2015, 3/26/2015-3/27/2015, and 4/15/2015-4/17/2015.

**Invoice****JACOBS ASSOCIATES**

49 Stevenson Street, 3rd Floor  
 San Francisco, CA 94105-2950  
 Phone: 415.434.1822 Fax: 415.956.8502

Daniel Flanagan  
 Tutor Perini Corporation

August 07, 2015  
 Invoice No: 50580021

Project Manager Carl LaFraugh

Project 5058.0

Repair/Replacement of West Runway 01L, 19R, Andrews AFB, MD

**Professional Services from March 28, 2015 to April 24, 2015****Professional Personnel**

	Hours	Rate	Amount	
Principal				
LaFraugh, Carl	25.00	275.00	6,875.00	
Lead Associate				
Burke, Christopher	73.00	235.00	17,155.00	
Senior Staff Consultant				
Frankel, Steven	23.50	160.00	3,760.00	
Totals	121.50		27,790.00	
<b>Total Labor</b>				<b>27,790.00</b>

**Reimbursable Expenses**

Airfare	1,817.24	
Ground Transportation	1,671.49	
Lodging	2,246.36	
Meals	194.94	
Misc Project Expense	37.66	
<b>Total Reimbursables</b>	<b>5,967.69</b>	<b>5,967.69</b>

**Total Project Invoice Amount \$33,757.69**

Questions regarding this invoice, please contact Nina Rodine at [rodine@mcmjac.com](mailto:rodine@mcmjac.com).

**Invoice****JACOBS ASSOCIATES**

49 Stevenson Street, 3rd Floor  
 San Francisco, CA 94105-2950  
 Phone: 415.434.1822 Fax: 415.956.8502

Daniel Flanagan  
 Tutor Perini Corporation

October 01, 2015  
 Invoice No: 50580022

Project Manager Carl LaFraugh  
 Project 5058.0 Repair/Replacement of West Runway 01L.19R, Andrews AFB, MD

This invoice includes expenses related to shipping the Final Update to REA including the MC Dean REA as follows:

- Fed Ex shipment from New Rochelle, NY to Burlington, MA for the final Update to REA certification by TPC.
- Fed Ex shipment of the Update to REA from Burlington, MA to Cherry Hill Construction, Jessup, MD (2 boxes).
- Fed Ex Shipment of the Update to REA from Burlington, MA to MC Dean, Sterling, VA (2 boxes).
- Fed Ex Shipment of the Update to REA from Burlington, MA the US Department of Defense (Mr. Jeremy Morrill), Tyndall AFB, Panama City, FL (4 boxes).

**Professional Services from April 25, 2015 to July 31, 2015**

**Reimbursable Expenses**

Air Express and Courier	988.35	
<b>Total Reimbursables</b>	<b>988.35</b>	<b>988.35</b>

<b>Total Project Invoice Amount</b>	<b>\$988.35</b>
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**Outstanding Invoices**

Number	Date	Balance
50580021	8/7/2015	33,757.69
<b>Total</b>		<b>33,757.69</b>

Questions regarding this invoice, please contact Nina Rodine at rodine@mcmjac.com.

# **EXHIBIT C**





**DEFENSE CONTRACT AUDIT AGENCY**

EASTERN REGION  
BOSTON BRANCH OFFICE  
495 SUMMER STREET, SUITE 336  
BOSTON, MA 02210-2192

IN REPLY REFER TO: AUDIT REQUEST FOR AUDIT OF TUTOR PERINI CORPORATION CLAIM ON CONTRACT No. FA3002-08-D-011-005

1371/820.1

May 24, 2017

**MEMORANDUM FOR PROCUREMENT CONTRACTING OFFICER**

ATTENTION: Mr. Jeremy D. Morrill, Contracting Officer ([jeremy.morrill.1@us.af.mil](mailto:jeremy.morrill.1@us.af.mil))  
772 ESS/PKD, 139 Barnes Drive, Suite #1  
Tyndall AFB, FL 32403

SUBJECT: Request for Audit of Tutor Perini Corporation's Claim for \$38,345,681 on  
Contract No. FA3002-08-D-0011-0005

We have reviewed Tutor Perini Corporation's claim on Contract No. FA3002-08-D-0011(005) to determine if the contractor's claim was adequately presented/supported prior to starting our audit. We have found deficiencies that need to be addressed before we start our audit on the claim. The claim supporting data is not presented by cost element in the same format and containing the same data as required in Federal Acquisition Regulation (FAR) 15.408, Table 15-2. Although the contractor is not required to provide data in the Table 15-2 format, the contractor is required to certify that the supporting data included in the claim is accurate and complete. To be complete (Adequate for Audit), the data must be in substantially the same format as the supporting data required in FAR 15.408, Table 15-2.

**Cost Elements:** The contractor's claim should include a summary of total cost by element and cross-referenced to supporting data. According to FAR section 15.408 and Table 15-2, claimed costs must provide breakdowns for the following basic cost elements, as applicable:

- **Total Direct Labor Cost Claimed:** Provide a time-phased (e.g., monthly, quarterly, etc.) breakdown of labor hours, rates, and cost by appropriate category, and furnish bases for estimates.
- **Total Materials and services Cost Claimed:** Provide a consolidated priced summary of individual material quantities included in the various tasks, orders, or contract line items being proposed and the basis for pricing (vendor quotes, invoice prices, etc.). For all costs claimed, identify the item and show the source, quantity, and price
- **Total Subcontract Cost Claimed:** Conduct cost/price analyses for all subcontracts when cost or pricing data are submitted by the subcontractor. Include these analyses as part of your own cost or pricing data submissions for subcontracts. Contractor should Submit the subcontractor cost or pricing data as part of their claimed cost or pricing data as required in paragraph IIA(2) of FAR 15.408, Table 15-2.

**FOR OFFICIAL USE ONLY**

May 24, 2017

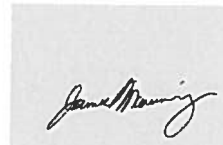
Request for Audit of Tutor Perini Corporation's Claim for \$38,345,681 on Contract No. FA3002-08-D-0011-0005

- **Total Indirect Cost Claimed:** Contractor should indicate how indirect costs were computed and applied, including cost breakdowns. Show trends and budgetary data to provide a basis for evaluating the reasonableness of proposed rates. Indicate the rates used and provide an appropriate explanation.
- **Total Other Costs Claimed:** List all other costs not otherwise included in the categories described above (e.g., Professional fees, travel, etc.) and provide basis for pricing.
- **Total Profit Claimed**
- **Total Claim Amount:** This amount should tie to \$38,345,681.

As discussed with Mr. Jeremy Morrill, Contracting Officer on May 24, 2017, due to the inadequacies identified above, we were unable to initiate our audit at this time. In order to perform an efficient and effective audit, we require the above information to support the contractor's claim. We recommend that you return the claim to the contractor and request the contractor submit a revised claim.

This list may not be all inclusive and future inadequacies may be found once an audit is underway. Please contact our office when you receive the revised claim, so we can initiate an adequacy review of the revised claim.

If you have any questions please, contact Paul Auriemma, Supervisory Auditor at (781)-981-5087, email: Paul.Auriemma@dcaa.mil or Daniel Ohemeng, Auditor at (617)-753-3703, email: Daniel.ohemeng@dcaa.mil.



Digitally signed by  
MANNING.JAMES.M.1228570334  
DN: c=US, o=U.S. Government,  
ou=DoD, ou=PKI, ou=DCAA,  
cn=MANNING.JAMES.M.1228570  
334  
Date: 2017.05.24 12:15:23 -04'00'

Jim Manning  
Branch Manager  
Boston Branch Office

# **EXHIBIT D**

**Tutor Perini Corporation**

73 Mt. Wayte Avenue

Framingham, Massachusetts 01701-9160

T: 508.628.2000 F: 508.628.2960

**Tutor Perini**

*Over a Century of Excellence*

August 8, 2017

Letter No. 1113-DOD-AFCESA-209

U.S Department of Defense

722 ESS/PKD

139 Barnes Drive, Suite1

Tyndall Air Force Base, FL 32403-5319

Attn: Mr. Jeremy Morrill  
Contracting Officer

Re: AAFB-Repair/Replace Runway 01L/19R

Contract No. FA 3002-08-D-0011-005

CHC Job No. 1113

**Update to CDA Claim and Overall Table 15-2**

Dear Sir:

Please find enclosed Tutor Perini Corp.'s (TPC's) Update to its Contract Disputes Act of 1978 and FAR Clause 52.233-1 Disputes Claim (CDA Claim) on the Andrews AFB Repair/Replacement of West Runway 01L/19R ("project") that was previously submitted to the Government on April 28, 2016. The updated amount of the claim is \$38,078,272.

This update occurred because of Mr. Morrill's May 24, 2017 email which forwarded a DCAA memorandum. On June 22, 2017, a conference call occurred with TPC, DCAA and the Government's counsel to understand the memorandum and what DCAA was requesting. The result was that DCAA requested the full claim amount to be set forth in the format of Table 15-2 in Federal Acquisition Record 15.408. TPC has completed this overall Table 15-2 and supporting schedules. These are included as part of this update.

As always, please contact me at your convenience should you be in need of further information or clarifications regarding this matter.

Very truly yours,

**Tutor Perini Corporation**

Kevin J. Woods

Senior Vice President

Enclosures:

Cc: File/J. Frost /S. Pavoggi/N. Castle, Esq./DCAA

# Repair/Replacement of Runway 01 L/19R, Andrews AFB, Maryland

## **Update to Contract Disputes Act of 1978 and FAR Clause 52.233-1 Disputes Claim**

**August 3, 2017**

Project AJXF-05-1510

Contract FA3002-08-D-0011-0005



**Tutor Perini**  
CORPORATION

Tutor Perini Corporation (TPC) submits this Update to its Contract Disputes Act of 1978 and FAR Clause 52.233-1 Disputes Claim (CDA Claim) on the Andrews AFB Repair/Replacement of West Runway 01L/19R ("project") that was submitted to the Government on April 28, 2016. Updates included herein revise the total amount from \$38,345,681, as set forth in TPC's prior CDA Claim submittal, to \$38,078,272. Certification for the updated Claim is included as **Exhibit A**.

Further, as requested by the Government during a June 22, 2017, conference call with TPC representatives and consultants, an overall Table 15-2 that pulls forward values from the many Table 15-2's and other breakdowns that are already included within the claim is presented herein.

The updates and Table 15-2 are presented in three sections:

- Section 1 – TPC CDA Claim Errata and Update
- Section 2 – Updated Damage Summary
- Section 3 – Overall Table 15-2

These sections follow.

## **SECTION 1 – TPC CDA CLAIM ERRATA AND UPDATE**

Since the April 28, 2016, TPC submission of the CDA Claim, three minor clerical errors have been identified. Two relate to labor and equipment inefficiency damage amounts set forth in the summary damages tables. Although these amounts were accurately calculated in the October 23, 2014 REA claim narrative, the amounts presented in the April 21, 2015, Update to REA and April 28, 2016, CDA Claim summary damage tables were based on prior versions of the narrative. The third relates to the amount of PMSI's Panel Replacement Supervisory and Administration Costs. The amount included in Exhibit D-21, \$119,816, is the correct amount; however, when transcribed into the narrative report on page 578, the amount entered was \$119,825. The results of the correction of these minor clerical errors are summarized in Table 1 below.

**Table 1**

<b>Element of Additional Cost</b>	<b>CDA Claim Amount</b>	<b>CDA Update Amount</b>	<b>Variance</b>	<b>Changes Made</b>
Labor Inefficiencies	\$1,343,207	\$1,197,842	\$(145,365)	Updated damages tables and total claim amount
Equipment Inefficiencies (Operating Cost)	\$1,253,301	\$1,131,266	\$(122,035)	Updated damages tables and total claim amount
PMSI's Panel Replacement Supervisory and Administration Costs	\$119,825	\$119,816	\$(9)	Updated damages tables and total claim amount
<b>Total Variance</b>			<b>\$(267,409)</b>	

As shown in Table 1 above, the net variance for these items amounted to a deduction from the prior amount of \$267,409, or approximately 0.70% of the total CDA claim.

In its April 21, 2015, Update to its REA, TPC included replacement pages to the original REA narrative. These contained updated amounts. When TPC converted the REA to the April 28, 2016 CDA claim, a few more minor updates to amounts were made. The specific REA narrative pages were not revised for these updates—revisions were provided in a separate, standalone narrative. As a courtesy and for clarity, TPC is revising the REA pages based on the updates in the April 28, 2016, CDA Claim and the updates in this August 8, 2017 update. Specific revisions that affect the REA narrative pages since the April 21, 2015, Update are detailed below:

#### **Updates Based on the April 28, 2016, CDA Claim**

- Narrative page 1: total claim amount revised to \$38,345,681
- Narrative page 22: total claim amount damages table revised.
- Narrative page 619: revised narrative to reflect the submission of the MC Dean REA as part of the April 21, 2015, and April 28, 2016, CDA Claim
- Narrative page 623: revised table of Jacobs Associates invoices through October 2015.
- Narrative page 626: revised professional services cost table
- Narrative page 627: revised total claim amount damages table

#### **Updates Based on August 3, 2017, Update to CDA Claim**

- Narrative page 1: further revised total claim amount to \$38,078,272
- Narrative page 22: further revised total claim amount damages table
- Narrative page 578: updated PMSI's Panel Replacement Supervisory and Administrative Costs amount to \$119,816
- Narrative page 627: further revised total claim amount damages table

The revised REA narrative pages resulting from the combination of the updates detailed above are included in **Exhibit B** and are dated August 3, 2017.

## **SECTION 2 - UPDATED DAMAGE SUMMARY**

Based on the August 3, 2017 revisions, Table 2 below summarizes the total added compensation TPC seeks through this update:



**Table 2**

Element of Additional Cost	Amounts
Extra Work RCOs	\$3,895,296
Replacement of PCCP Panels	\$10,325,533
Government Credits	(\$819,018)
Time-Related General Conditions - Labor	\$4,326,773
Time-Related General Conditions - Materials / Services	\$1,589,071
Time-Related Equipment Costs (Ownership)	\$3,832,007
Material Escalation	\$11,059
ADP Impact RCOs	\$2,151,222
Labor Inefficiencies	\$1,197,842
Equipment Inefficiencies (Operating Costs)	\$1,131,266
Subcontractor REA	\$2,944,921
Unpaid Contract Balance	\$2,601,219
REA Preparation Costs (TPC & PSMI Labor and Expenses)	\$1,737,558
Professional Services	\$3,153,523
<b>Total</b>	<b>\$38,078,272</b>

The above amounts do not include legal services that may be recoverable as an REA preparation cost and it does not include any damages that TPC may incur because of the improper CCASS rating as discussed in its' October, 23, 2014 REA. TPC reserves its rights to separately request these amounts.

### **SECTION 3 – OVERALL TABLE 15-2**

On May 24, 2017, the Government forwarded to TPC, via email, an internal memorandum to the Contracting Officer. This memorandum cited alleged deficiencies that needed to be addressed prior to commencement of an audit by Defense Contract Audit Agency (DCAA). A follow-up conference call regarding the alleged deficiencies and between Government representatives and TPC representatives, including its consultant, was held on June 22, 2017. During this conference call, TPC and the Government agreed the only outstanding item currently requested by the Government was the overall cost data presented by cost element in the same format as Table 15-2 in Federal Acquisition Record (FAR) 15.408.

This overall table 15-2 has been completed and is set forth in **Exhibit C**. It was prepared using values from the many Table 15-2's and other cost breakdowns already included in the prior REA

and claim submissions. As agreed during the June 22, 2017, call, the unpaid contract balance is not broken down by cost type.

In order to prepare the overall Table 15-2 through references to supporting data already submitted, the following tables and exhibits were prepared:

- **Exhibit C-1** – Overall Table by Cost Type for Extra Work RCOs
- **Exhibit C-2** – Overall Table by Cost Type for Replacement of PCCP Panels
  - Exhibit C-2A – Includes a portion of Exhibit D-21 (from the October 23, 2014, TPC REA) annotated for labor, subcontractor, and expense cost elements
- **Exhibit C-3** – Overall Table by Cost Type for Government Credit RCOs
- **Exhibit C-4** – Table of Time Related General Conditions Costs – Labor
- **Exhibit C-5** – Table of Time Related General Conditions Costs – Materials / Services
- **Exhibit C-6** – Table of Time Related Equipment (Ownership) Costs
- **Exhibit C-7** – Table of Material Escalation Costs
- **Exhibit C-8** – Overall Table by Cost Type for ADP Impact RCOs
- **Exhibit C-9** – Table of Labor Inefficiency Costs
- **Exhibit C-10** – Table of Equipment Inefficiency (Operating) Costs
- **Exhibit C-11** – Table of Subcontractor Claim Costs
- **Exhibit C-12** – Table of REA Prep Costs
- **Exhibit C-13** – Table of Professional Services Costs

In each of these exhibits, **C-1 to C-13**, the pages in the REA narrative where the values came from are referenced. On these pages, the exhibits to the REA, which contain the previously prepared Table 15-2s and other calculations, breakdowns and supporting documentation, are referenced. Through these references, the amounts can be traced.

The amounts in **Exhibits C-1 to C-13** were then consolidated into one overall table, **Exhibit C-14**, to show each cost type for each claimed cost element<sup>1</sup>. This exhibit sets forth the final amounts carried forward to the overall Table 15-2 in Exhibit C.

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<sup>1</sup> It is noted that in the calculations for the CDA Claim, there are minor roundings within the RCO amounts and unpaid contract balance. For Table 15-2, these roundings are eliminated through directly linked calculations and result in a claim value of \$38,078,268.16, \$3.84 less and an insignificant difference

## Exhibit A

### CERTIFICATION

To Whom It May Concern:

I certify that the claim is made in good faith; that the supporting data are accurate and complete to the best of my knowledge and belief; that the amount requested accurately reflects the contract adjustment for which the Contractor believes the Government is liable; and that I am duly authorized to certify the claim on behalf of the Contractor.

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Kevin J. Woods  
Senior Vice President  
Tutor Perini Corporation

# Exhibit B

**Repair/Replacement of West Runway 01L/19R  
REA Tutor Perini Corporation**

**I. EXECUTIVE SUMMARY**

Tutor Perini Corporation (TPC) submits this Request for Equitable Adjustment (REA) on the Andrews AFB Repair/Replacement of West Runway 01L/19R (“project” or “JBA West Runway”) in the amount of **\$38,078,272** principally because:

1. Despite the government’s repeated and expressed **warranties that** its design was a “**100% Design**” and contract documents were “**100% Plans and Specifications**, they were not, because they were not complete, accurate, or constructible;
2. Despite the government having a duty to cooperate (including promising to facilitate the Contractor’s performance of the Work in all ways because of its expressed urgent necessity to restore the operation of the “President’s Runway” by summer 2011) and a contractual obligation to partner (“to most effectively accomplish this contract”), the government maladministered the project both by failing to act timely and by acting incorrectly;
3. Despite making many changes to the project, the government failed to respond to many requests for change orders (RCOs) and failed to issue modifications for several others that it did acknowledge; and
4. Instead, the government turned to aggressive, threatening tactics by issuing an unsatisfactory rating after project completion and a “Notification of Debt.”

Unbeknownst to TPC, when the \$81,281,252<sup>1</sup> task order was awarded on April 30, 2010, the government was not ready to start the work and would not allow even limited access for another five months, until September 2010. It would take almost two years and 46 formal revisions for the government to correct the incomplete, uncoordinated, error-ridden 100% Design.

The delayed start and the deficient design resulted in a multitude of problems that made it impossible to meet the ambitious project timeline of demolishing, placing and installing \$81,282,252 of materials in a little over 11 months. In order to stay on track, TPC had to execute approximately \$7 million dollars of work per month. Even with a complete accurate and constructible design, the project would have been a challenge, demanding partnership and cooperation from the government, elements that were never provided. Many of the government’s leaders were either not at the project site or had insufficient time for this project. Unfortunately, instead of working to support the schedule and solve problems, the government’s

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<sup>1</sup> The Task Order was mistakenly award at \$81,231,252. This was corrected by Modification No. 1, dated May 10, 2010, which increased the Contract value to \$81,281,252.

**Repair/Replacement of West Runway 01L/19R**  
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- **February 1, 2012 (Update 23) to Actual Substantial Completion:** During this period, the government issued more panel replacement directives, including very late directives that were issued after TPC demobilized its batch plant. In addition, the government did not conduct its prefinal inspections in accordance with prior agreement with TPC and proper Contract administration. The panel replacements and added inspection time controlled the project's Substantial Completion.

**E. Damages**

For the reasons explained above, TPC experienced additional costs during construction of the JBA West Runway Project because its work was changed and disrupted, and its time of performance was extended as the result of events for which the government is responsible. The elements included in this REA deal exclusively with the cost issues related to directed and/or constructive changes and the resulting delay and disruption of TPC's work, for which the government is ultimately responsible. The following table lists the elements and corresponding amounts included in the REA. These elements are further described in the REA and supported by detailed exhibits based upon actual costs.

Element of Additional Cost	Amounts
Extra Work RCOs	\$3,895,296
Replacement of PCCP Panels	\$10,325,533
Government Credits	(\$819,018)
Time-Related General Conditions - Labor	\$4,326,773
Time-Related General Conditions - Materials / Services	\$1,589,071
Time-Related Equipment Costs (Ownership)	\$3,832,007
Material Escalation	\$11,059
ADP Impact RCOs	\$2,151,222
Labor Inefficiencies	\$1,197,842
Equipment Inefficiencies (Operating Costs)	\$1,131,266
Subcontractor REA	\$2,944,921
Unpaid Contract Balance	\$2,601,219
REA Preparation Costs (TPC & PSMI Labor and Expenses)	\$1,737,558
Professional Services	\$3,153,523
<b>Total</b>	<b>\$38,078,272</b>

These damages do not include requests for equitable adjustments from M.C. Dean, TPC's electrical subcontractor, certain REA preparation costs, and damages that may be incurred because of the government's improper CCASS rating (as discussed below).

**Repair/Replacement of West Runway 01L/19R**  
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RCO No.	Group	RCO Description (GOV RESPONSIBILITY)	Exhibit No.	RCO Amount
9584	70001 PCCP Panel	Remove & Replace PCCP Panels per Gov't Direction 10/11	RCO-9584	\$639,817
9597	70001 PCCP Panel	North Approach Light Bar Repairs	RCO-9597	\$268,947
9598	70001 PCCP Panel	PCCP Panel Replacement @ Asphalt Interface	RCO-9598	\$674,786
9599	70001 PCCP Panel	PCCP Panel Replacement @ Interior lanes	RCO-9599	\$671,139
9605	70001 PCCP Panel	PCCP Panel Removal per 1/3/12 Directive-Debris	RCO-9605	\$267,696
9606	70001 PCCP Panel	PCCP Panel Removal per 1/3/12 Directive-Transverse Spalls	RCO-9606	\$170,113
9608	70001 PCCP Panel	Re-replacement of PCCP Panels Lane 9 Sta.153-156	RCO-9608	w/ RCO 9605
9609	70001 PCCP Panel	PCCP Panel Removal per 2/6/12 Directive	RCO-9609	\$4,561,698
9612	70001 PCCP Panel	Removal and Replacement of South Threshold Light Bars	RCO-9612	\$261,827
9613	70001 PCCP Panel	South Approach Bar Replacements	RCO-9613	\$1,274,590
9622	70001 PCCP Panel	Spall Repairs Throughout Project-Gov't Issue	RCO-9622	\$569,389
9635	70001 PCCP Panel	Panel Replacement at Threshold	RCO-9635	\$19,253
9638	70001 PCCP Panel	Panel Removals per 7-15-2012 CO Directive (40 PCCP panels)	RCO-9638	\$826,462
	70001 PCCP Panel	PMSI's Panel Replacement Supervisory and Administrative Costs	Exh. D-21	\$119,816
<b>Total Panel Replacement Government's Responsibility (including markups)</b>				<b>\$10,325,533</b>

#### 4. Credits

Certain work was either deleted from the Contract requirements or the government allowed TPC to revise certain work in an effort to mitigate the impact of government-required changes or government -caused delays to the work. As a result, the government is entitled to certain credits as set forth below and in the corresponding exhibits. These credits have been previously submitted to the government, and most recently as part of TPC's response to the Notification of Debt response, dated March 13, 2014.

Since the TPC credits were submitted in March 2014, TPC has had the opportunity to review the government's amounts and update its credit amounts to account for actual project cost data where applicable. Therefore, the resulting credits vary from those submitted previously, including certain credits that TPC is willing to accept the direct costs set forth by the government.

The following table sets forth the credits (deductive amounts) due the government. The referenced RCO exhibits and the following section summarize the basis for the credits:



**Repair/Replacement of West Runway 01L/19R**  
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Dean performed the extra work and the government failed to compensate TPC and MC Dean for the extra work. MC Dean has completed the effort of identifying its actual costs and updating its pricing for its unresolved extra work. TPC forwarded these costs to the government as a separate REA as a part of the April 21, 2015, Update to REA. These costs were updated and forwarded to the government on April 28, 2016, as a part of TPC's CDA claim.

**E. Remaining Contract Balance**

The government has not paid TPC its complete Contract balance for the work performed. TPC is due \$2,601,218.62, as follows:<sup>102</sup>

Original Task Order Awarded Amount	\$ 81,231,252.00
Contingency CLINs	\$ 9,036,590.94
Original Actual Contract Value	\$ 72,194,661.06
Mod 1	\$ 50,000.00
Mod 2	\$ 237,330.16
Utilized CLIN Amounts (including Mod 6)	\$ 3,841,321.34
Actual Contract Value Available for Invoicing	\$ 76,323,312.56
Invoiced/Paid to Date	\$ 73,722,093.94
Remaining	\$ 2,601,218.62

**F. Proposal Preparation Costs**

**1. TPC REA Preparation Costs**

**a) Labor**

TPC's CHC division has expended more than 10,000 man-hours of labor at a cost of \$969,126 (wages and burden) in the preparation of REAs as recorded in Cost Code 00009587000 (subsequent code 73587000). Most of these efforts occurred after substantial completion. These labor cost transactions are set forth in **Exhibit D-21**. These costs, not included in its time-

<sup>102</sup> The unpaid contract balance was determined by the government, and the adjustments shown by the government for Allowance amounts is based on the government's assessment.

**Repair/Replacement of West Runway 01L/19R**  
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due. All of the technical analysis Jacobs Associates performed on this assignment were carried out by, or under the direct supervision of licensed professional engineers.

- Jacobs Associates' efforts went beyond the expertise of TPC's personnel, making TPC's reliance on outside engineering services essential. As a construction contractor it would be impractical for TPC to maintain staff resources competent to undertake such an effort.
- During the period from July 2013 through August 2014, about 13 months, Jacobs Associates expended more than 9,000 hours assisting with the development of TPC's RCOs and this equitable adjustment request for the JBA West Runway Project, Jacobs Associates has or will bill TPC approximately \$2 million for its professional services. Jacobs Associates' labor cost, including burden, for engineers, engineering technicians, and support staff averaged \$200 per hour for the 15-month period. This labor cost is consistent with that charged by other engineering consultants for similar work.

The amounts invoiced through October 2015, are as follows:

JA Inv. No.	Inv. Date	Inv. Amount
000050580001	10/22/2013	\$47,840.00
000050580002	11/12/2013	\$22,385.00
000050580003	11/26/2013	\$56,630.00
000050580004	12/26/2013	\$156,643.32
000050580005	02/3/2014	\$127,167.94
000050580006	03/25/2014	\$179,868.98
000050580007	04/23/2014	\$145,742.04
000050580008	04/30/2014	\$134,435.30
000050580009	05/28/2014	\$118,728.23
000050580010	06/27/2014	\$151,563.18
000050580011	08/11/2014	\$171,854.90
000050580012	09/29/2014	\$145,216.50

JA Inv. No.	Inv. Date	Inv. Amount
000050580013	10/7/2014	\$309,787.25
000050580014	11/7/14	\$136,792.70
000050580015	11/19/14	\$271,489.52
000050580016	12/23/14	\$6,590.64
000050580017	1/30/15	\$7,930.00
000050580018	3/25/15	\$13,857.50
000050580019	5/6/15	\$34,114.27
000050580020	6/19/15	\$23,023.23
000050580021	8/7/15	\$33,757.69
000050580022	10/1/15	\$988.35
<b>Total</b>		<b>\$2,296,406.54</b>

The Jacobs Associates invoices, included as **Exhibit D-22** describe the work performed during each billing period. Jacobs Associates' services involved a variety of Contract administration matters, including assisting in the preparation of RCOs and the preparation of this REA. Jacobs

**Repair/Replacement of West Runway 01L/19R**  
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A recap of the amounts paid Nichols Consulting Engineers (based on TPC's cost transaction journal) is as follows:

Transaction	G/L Date	Inv. Amount.
Payment	October 31, 2013	\$7,328.13
Payment	October 31, 2013	\$1,816.73
<b>Total</b>		<b>\$9,144.86</b>

e) Professional Services Summary

The total additional compensation due TPC for professional services related to the events and costs set forth in this REA is as follows:

Ln No.	Element of Cost - Professional Services	%	Markup	Amount
1	Jacobs Associates Professional Services			\$2,296,407
2	Navigant Consulting			\$289,963
3	KPFF Professional Services			\$84,921
4	Nichols Consulting Professional Services			\$9,145
5	Total Direct Costs			\$2,680,436
6	PMSI Division Office Support (% x Line 5)	0.33%	\$8,845	
7	CHC G&A (% x Line 5)	4.56%	\$122,228	
8	Subtotal			\$2,811,509
9	Profit (% x Line 8)	10.00%	\$281,151	
10	Subtotal			\$3,092,660
11	Insurance Premiums (% x Total Cost)	1.05%	\$33,112	
12	Subtotal			\$3,125,772
13	Contractors' Bond Premium (% x Total Cost)	0.88%	\$27,751	
14	<b>Total Cost (Lines 12 + 13)</b>			<b>\$3,153,523</b>

The above professional services costs do not include legal services. To the extent permitted by the FAR, TPC may seek recovery of these costs in a separate REA.

G. Damage Summary

This Request for Equitable Adjustment quantifies the additional compensation resulting from the delay and disruption for which the government is responsible. The table below summarizes the added compensation TPC seeks:

**Repair/Replacement of West Runway 01L/19R**  
**REA Tutor Perini Corporation**

<b>Element of Additional Cost</b>	<b>Amounts</b>
Extra Work RCOs	\$3,895,296
Replacement of PCCP Panels	\$10,325,533
Government Credits	(\$819,018)
Time-Related General Conditions - Labor	\$4,326,773
Time-Related General Conditions - Materials / Services	\$1,589,071
Time-Related Equipment Costs (Ownership)	\$3,832,007
Material Escalation	\$11,059
ADP Impact RCOs	\$2,151,222
Labor Inefficiencies	\$1,197,842
Equipment Inefficiencies (Operating Costs)	\$1,131,266
Subcontractor REA	\$2,944,921
Unpaid Contract Balance	\$2,601,219
REA Preparation Costs (TPC & PSMI Labor and Expenses)	\$1,737,558
Professional Services	\$3,153,523
<b>Total</b>	<b>\$38,078,272</b>

It is noted the table above does not include legal services that may be recoverable as an REA preparation cost and it does not include any damages that TPC may incur because of the improper CCASS rating as discussed in the next section. TPC reserves its right to submit separate REAs for these amounts.

## AAFB-Repair/Replace Runway 01L/19R

Exhibit C

## Overall Contract Modification Proposal Summary

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

Description: Updated TPC Contract Disputes Act of 1978 and FAR Clause 52.233-1 Disputes Claim

Cost Elements	Estimated Cost Of All Work Deleted	Cost of Deleted Work Already Performed	Net Cost To Be Deleted	Cost of Work Added	Net Cost Of Change	Reference
Materials & Services	-2,599,830.61	0.00	-2,599,830.61	5,534,758.78	2,934,928.17	Updated CDA Claim, Exhibit C-14
GC Materials & Services	0.00	0.00	0.00	4,431,269.23	4,431,269.23	Updated CDA Claim, Exhibit C-14
Direct Labor	-286,171.44	0.00	-286,171.44	4,434,282.23	4,148,110.80	Updated CDA Claim, Exhibit C-14
GC Direct Labor	0.00	0.00	0.00	4,755,737.00	4,755,737.00	Updated CDA Claim, Exhibit C-14
Indirect Costs	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-14
Other Costs / Markups	-222,066.85	0.00	-222,066.85	5,840,867.70	5,618,800.85	Updated CDA Claim, Exhibit C-14
Royalties	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-14
Facilities Capital Cost	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-14
Equipment	-286,103.98	0.00	-286,103.98	3,358,679.16	3,072,575.19	Updated CDA Claim, Exhibit C-14
Equipment (Extended)	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-14
GC Equipment	0.00	0.00	0.00	3,278,624.00	3,278,624.00	Updated CDA Claim, Exhibit C-14
Subcontractor	-184,084.07	0.00	-184,084.07	7,421,088.38	7,237,004.30	Updated CDA Claim, Exhibit C-14
<b>Totals</b>	<b>-3,578,256.94</b>	<b>0.00</b>	<b>-3,578,256.94</b>	<b>39,055,306.48</b>	<b>35,477,049.54</b>	Updated CDA Claim, Exhibit C-14
Unpaid Contract Balance					2,601,218.62	October 23, 2014, REA Narrative, Page 619
Rounding Variance					3.84	Updated CDA Claim, Exhibit C-14
<b>Total Claimed Amount</b>					<b>38,078,272</b>	

Overall Table of Cost Elements for Extra Work RCOs

Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
RCO9506	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9506.000-0		
RCO9506	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9506.000-0		
RCO9506	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9506.000-0		
RCO9506	Cost of Work Added	22,794.16	0.00	11,664.28	0.00	0.00	107,254.30	0.00	0.00	10,262.11	0.00	0.00	563,006.33	714,981.18	Exhibit 9506.000-0		
RCO9506 Total		22,794.16	0.00	11,664.28	0.00	0.00	107,254.30	0.00	0.00	10,262.11	0.00	0.00	563,006.33	714,981.18	Exhibit 9506.000-0	714,981	October 23, 2014, REA Narrative, Page 575
RCO9566	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9566.000-0		
RCO9566	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9566.000-0		
RCO9566	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9566.000-0		
RCO9566	Cost of Work Added	3,943.20	0.00	0.00	0.00	0.00	695.91	0.00	0.00	0.00	0.00	0.00	0.00	4,639.11	Exhibit 9566.000-0		
RCO9566 Total		3,943.20	0.00	0.00	0.00	0.00	695.91	0.00	0.00	0.00	0.00	0.00	0.00	4,639.11	Exhibit 9566.000-0	4,639	October 23, 2014, REA Narrative, Page 575
RCO9558	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9558.000-0		
RCO9558	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9558.000-0		
RCO9558	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9558.000-0		
RCO9558	Cost of Work Added	61.18	0.00	1,471.08	0.00	0.00	478.64	0.00	0.00	1,179.84	0.00	0.00	0.00	3,190.74	Exhibit 9558.000-0		
RCO9558 Total		61.18	0.00	1,471.08	0.00	0.00	478.64	0.00	0.00	1,179.84	0.00	0.00	0.00	3,190.74	Exhibit 9558.000-0	3,191	October 23, 2014, REA Narrative, Page 575
RCO9617	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9617.000-0		
RCO9617	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9617.000-0		
RCO9617	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9617.000-0		
RCO9617	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	92.99	0.00	0.00	0.00	0.00	0.00	526.93	619.92	Exhibit 9617.000-0		
RCO9617 Total		0.00	0.00	0.00	0.00	0.00	92.99	0.00	0.00	0.00	0.00	0.00	526.93	619.92	Exhibit 9617.000-0	620	October 23, 2014, REA Narrative, Page 575
RCO9508	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9508.000-0		
RCO9508	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9508.000-0		
RCO9508	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9508.000-0		
RCO9508	Cost of Work Added	1,022.00	0.00	1,890.76	0.00	0.00	1,545.45	0.00	0.00	2,501.59	0.00	0.00	3,342.50	10,302.30	Exhibit 9508.000-0		
RCO9508 Total		1,022.00	0.00	1,890.76	0.00	0.00	1,545.45	0.00	0.00	2,501.59	0.00	0.00	3,342.50	10,302.30	Exhibit 9508.000-0	10,302	October 23, 2014, REA Narrative, Page 575
RCO9515	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9515.000-0		
RCO9515	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9515.000-0		
RCO9515	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9515.000-0		
RCO9515	Cost of Work Added	16.10	0.00	369.10	0.00	0.00	788.54	0.00	0.00	1,185.91	0.00	0.00	2,896.92	5,256.57	Exhibit 9515.000-0		
RCO9515 Total		16.10	0.00	369.10	0.00	0.00	788.54	0.00	0.00	1,185.91	0.00	0.00	2,896.92	5,256.57	Exhibit 9515.000-0	5,257	October 23, 2014, REA Narrative, Page 575
RCO9516	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9516.000-0		
RCO9516	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9516.000-0		
RCO9516	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9516.000-0		
RCO9516	Cost of Work Added	485.42	0.00	11,627.44	0.00	0.00	4,217.93	0.00	0.00	11,786.90	0.00	0.00	0.00	28,117.68	Exhibit 9516.000-0		
RCO9516 Total		485.42	0.00	11,627.44	0.00	0.00	4,217.93	0.00	0.00	11,786.90	0.00	0.00	0.00	28,117.68	Exhibit 9516.000-0	28,118	October 23, 2014, REA Narrative, Page 575
RCO9553	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9553.000-0		
RCO9553	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9553.000-0		
RCO9553	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9553.000-0		
RCO9553	Cost of Work Added	3,228.97	0.00	911.63	0.00	0.00	982.48	0.00	0.00	1,426.34	0.00	0.00	0.00	6,549.42	Exhibit 9553.000-0		
RCO9553 Total		3,228.97	0.00	911.63	0.00	0.00	982.48	0.00	0.00	1,426.34	0.00	0.00	0.00	6,549.42	Exhibit 9553.000-0	6,549	October 23, 2014, REA Narrative, Page 575
RCO9561	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9561.000-0		
RCO9561	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9561.000-0		
RCO9561	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9561.000-0		
RCO9561	Cost of Work Added	233,747.91	0.00	67,243.83	0.00	0.00	175,723.35	0.00	0.00	125,417.83	0.00	0.00	569,278.24	1,171,411.16	Exhibit 9561.000-0		
RCO9561 Total		233,747.91	0.00	67,243.83	0.00	0.00	175,723.35	0.00	0.00	125,417.83	0.00	0.00	569,278.24	1,171,411.16	Exhibit 9561.000-0	1,171,411	October 23, 2014, REA Narrative, Page 575
RCO9562	Estimated Cost of All Work Deleted	-706.91	0.00	0.00	0.00	0.00	-46.77	0.00	0.00	0.00	0.00	0.00	0.00	-753.69	Exhibit 9562.000-0.R1		
RCO9562	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9562.000-0.R1		
RCO9562	Net Cost To Be Deleted	-706.91	0.00	0.00	0.00	0.00	-46.77	0.00	0.00	0.00	0.00	0.00	0.00	-753.69	Exhibit 9562.000-0.R1		
RCO9562	Cost of Work Added	3,365.57	0.00	0.00	0.00	0.00	593.97	0.00	0.00	0.00	0.00	0.00	0.00	3,959.54	Exhibit 9562.000-0.R1		
RCO9562 Total		2,658.66	0.00	0.00	0.00	0.00	547.20	0.00	0.00	0.00	0.00	0.00	0.00	3,205.85	Exhibit 9562.000-0.R1	3,206	April 21, 2015, Update to REA Narrative, Page 575
RCO9571	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9571.000-0		
RCO9571	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9571.000-0		
RCO9571	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9571.000-0		
RCO9571	Cost of Work Added	5,882.34	0.00	0.00	0.00	0.00	1,038.14	0.00	0.00	0.00	0.00	0.00	0.00	6,920.48	Exhibit 9571.000-0		
RCO9571 Total		5,882.34	0.00	0.00	0.00	0.00	1,038.14	0.00	0.00	0.00	0.00	0.00	0.00	6,920.48	Exhibit 9571.000-0	6,920	October 23, 2014, REA Narrative, Page 575
RCO9574	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9574.000-0.R1		
RCO9574	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9574.000-0.R1		
RCO9574	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9574.000-0.R1		
RCO9574	Cost of Work Added	1,613.30	0.00	761.48	0.00	0.00	444.03	0.00	0.00	141.18	0.00	0.00	0.00	2,959.98	Exhibit 9574.000-0.R1		
RCO9574 Total		1,613.30	0.00	761.48	0.00	0.00	444.03	0.00	0.00	141.18	0.00	0.00	0.00	2,959.98	Exhibit 9574.000-0.R1	2,960	April 21, 2015, Update to REA Narrative, Page 575



Overall Table of Cost Elements for Extra Work RCOs

Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
RCO9581	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	-143.82	0.00	0.00	0.00	0.00	0.00	-2,173.60	-2,317.42	Exhibit 9581.000-0.R1		
RCO9581	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9581.000-0.R1		
RCO9581	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	-143.82	0.00	0.00	0.00	0.00	0.00	-2,173.60	-2,317.42	Exhibit 9581.000-0.R1		
RCO9581	Cost of Work Added	14,549.49	0.00	10,880.85	0.00	0.00	9,889.50	0.00	0.00	7,637.78	0.00	0.00	22,968.00	65,925.62	Exhibit 9581.000-0.R1		
RCO9581 Total		14,549.49	0.00	10,880.85	0.00	0.00	9,745.68	0.00	0.00	7,637.78	0.00	0.00	20,794.40	63,608.20	Exhibit 9581.000-0.R1	63,608	April 21, 2015, Update to REA Narrative, Page 575
RCO9582	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9582.000-0		
RCO9582	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9582.000-0		
RCO9582	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9582.000-0		
RCO9582	Cost of Work Added	41.86	0.00	1,783.23	0.00	0.00	715.82	0.00	0.00	2,230.89	0.00	0.00	0.00	4,771.79	Exhibit 9582.000-0		
RCO9582 Total		41.86	0.00	1,783.23	0.00	0.00	715.82	0.00	0.00	2,230.89	0.00	0.00	0.00	4,771.79	Exhibit 9582.000-0	4,772	October 23, 2014, REA Narrative, Page 575
RCO9600	Estimated Cost of All Work Deleted	-1,872.32	0.00	-424.36	0.00	0.00	-514.86	0.00	0.00	-617.06	0.00	0.00	-4,867.50	-8,296.10	Exhibit 9600.000-0		
RCO9600	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9600.000-0		
RCO9600	Net Cost To Be Deleted	-1,872.32	0.00	-424.36	0.00	0.00	-514.86	0.00	0.00	-617.06	0.00	0.00	-4,867.50	-8,296.10	Exhibit 9600.000-0		
RCO9600	Cost of Work Added	791.32	0.00	1,171.03	0.00	0.00	648.04	0.00	0.00	1,709.60	0.00	0.00	0.00	4,319.98	Exhibit 9600.000-0		
RCO9600 Total		-1,081.00	0.00	746.67	0.00	0.00	133.18	0.00	0.00	1,092.54	0.00	0.00	-4,867.50	-3,976.12	Exhibit 9600.000-0	-3,976	October 23, 2014, REA Narrative, Page 575
RCO9604	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9604.000-0		
RCO9604	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9604.000-0		
RCO9604	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9604.000-0		
RCO9604	Cost of Work Added	12.98	0.00	676.30	0.00	0.00	2,233.42	0.00	0.00	860.80	0.00	0.00	11,105.00	14,888.50	Exhibit 9604.000-0		
RCO9604 Total		12.98	0.00	676.30	0.00	0.00	2,233.42	0.00	0.00	860.80	0.00	0.00	11,105.00	14,888.50	Exhibit 9604.000-0	14,889	October 23, 2014, REA Narrative, Page 575
RCO9636	Estimated Cost of All Work Deleted	-991.70	0.00	-1,477.96	0.00	0.00	-244.55	0.00	0.00	-753.79	0.00	0.00	-472.50	-3,940.49	Exhibit 9636.000-0.R1		
RCO9636	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9636.000-0.R1		
RCO9636	Net Cost To Be Deleted	-991.70	0.00	-1,477.96	0.00	0.00	-244.55	0.00	0.00	-753.79	0.00	0.00	-472.50	-3,940.49	Exhibit 9636.000-0.R1		
RCO9636	Cost of Work Added	1,983.39	0.00	2,955.91	0.00	0.00	1,304.55	0.00	0.00	1,507.59	0.00	0.00	945.00	8,696.44	Exhibit 9636.000-0.R1		
RCO9636 Total		991.70	0.00	1,477.96	0.00	0.00	1,060.01	0.00	0.00	753.79	0.00	0.00	472.50	4,755.95	Exhibit 9636.000-0.R1	4,756	April 21, 2015, Update to REA Narrative, Page 575
RCO9548	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9548.000, 9552.000, & 9557.000-0		
RCO9548	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9548.000, 9552.000, & 9557.000-0		
RCO9548	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9548.000, 9552.000, & 9557.000-0		
RCO9548	Cost of Work Added	172,818.26	0.00	70,125.69	0.00	0.00	63,722.14	0.00	0.00	108,181.70	0.00	0.00	9,938.25	424,786.04	Exhibit 9548.000, 9552.000, & 9557.000-0		
RCO9548 Total		172,818.26	0.00	70,125.69	0.00	0.00	63,722.14	0.00	0.00	108,181.70	0.00	0.00	9,938.25	424,786.04	Exhibit 9548.000, 9552.000, & 9557.000-0	424,786	October 23, 2014, REA Narrative, Page 575
RCO9570	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9570.000-0		
RCO9570	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9570.000-0		
RCO9570	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9570.000-0		
RCO9570	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	361.04	0.00	0.00	2,045.75	0.00	0.00	0.00	2,406.80	Exhibit 9570.000-0		
RCO9570 Total		0.00	0.00	0.00	0.00	0.00	361.04	0.00	0.00	2,045.75	0.00	0.00	0.00	2,406.80	Exhibit 9570.000-0	2,407	October 23, 2014, REA Narrative, Page 576
RCO9523	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9523.000/9524.000-0		
RCO9523	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9523.000/9524.000-0		
RCO9523	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9523.000/9524.000-0		
RCO9523	Cost of Work Added	196.42	0.00	8,156.44	0.00	0.00	2,943.41	0.00	0.00	7,625.17	0.00	0.00	700.00	19,621.44	Exhibit 9523.000/9524.000-0		
RCO9523 Total		196.42	0.00	8,156.44	0.00	0.00	2,943.41	0.00	0.00	7,625.17	0.00	0.00	700.00	19,621.44	Exhibit 9523.000/9524.000-0	19,621	October 23, 2014, REA Narrative, Page 576
RCO9525	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9525.000-0		
RCO9525	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9525.000-0		
RCO9525	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9525.000-0		
RCO9525	Cost of Work Added	28.98	0.00	742.67	0.00	0.00	204.69	0.00	0.00	388.17	0.00	0.00	0.00	1,364.51	Exhibit 9525.000-0		
RCO9525 Total		28.98	0.00	742.67	0.00	0.00	204.69	0.00	0.00	388.17	0.00	0.00	0.00	1,364.51	Exhibit 9525.000-0	1,365	October 23, 2014, REA Narrative, Page 576
RCO9563	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9563.000-0		
RCO9563	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9563.000-0		
RCO9563	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9563.000-0		
RCO9563	Cost of Work Added	24.15	0.00	570.00	0.00	0.00	104.86	0.00	0.00	0.00	0.00	0.00	0.00	699.01	Exhibit 9563.000-0		
RCO9563 Total		24.15	0.00	570.00	0.00	0.00	104.86	0.00	0.00	0.00	0.00	0.00	0.00	699.01	Exhibit 9563.000-0	699	October 23, 2014, REA Narrative, Page 576
RCO9573	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9573.000-0		
RCO9573	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9573.000-0		
RCO9573	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9573.000-0		
RCO9573	Cost of Work Added	64,369.09	0.00	0.00	0.00	0.00	11,360.14	0.00	0.00	0.00	0.00	0.00	0.00	75,729.23	Exhibit 9573.000-0		
RCO9573 Total		64,369.09	0.00	0.00	0.00	0.00	11,360.14	0.00	0.00	0.00	0.00	0.00	0.00	75,729.23	Exhibit 9573.000-0	75,729	October 23, 2014, REA Narrative, Page 576
RCO9577	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9577.000-0		
RCO9577	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9577.000-0		
RCO9577	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9577.000-0		
RCO9577	Cost of Work Added	28.98	0.00	570.68	0.00	0.00	241.28	0.00	0.00	767.46	0.00	0.00	0.00	1,608.40	Exhibit 9577.000-0		
RCO9577 Total		28.98	0.00	570.68	0.00	0.00	241.28	0.00	0.00	767.46	0.00	0.00	0.00	1,608.40	Exhibit 9577.000-0	1,608	October 23, 2014, REA Narrative, Page 576

Overall Table of Cost Elements for Extra Work RCOs

Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
RCO9601	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9601.000-0		
RCO9601	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9601.000-0		
RCO9601	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9601.000-0		
RCO9601	Cost of Work Added	24.00	0.00	624.80	0.00	0.00	424.91	0.00	0.00	510.04	0.00	0.00	1,248.80	2,832.55	Exhibit 9601.000-0		
RCO9601 Total		24.00	0.00	624.80	0.00	0.00	424.91	0.00	0.00	510.04	0.00	0.00	1,248.80	2,832.55	Exhibit 9601.000-0	2,833	October 23, 2014, REA Narrative, Page 576
RCO9626	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9626.000-0		
RCO9626	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9626.000-0		
RCO9626	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9626.000-0		
RCO9626	Cost of Work Added	987.92	0.00	1,210.55	0.00	0.00	481.69	0.00	0.00	341.90	0.00	0.00	189.00	3,211.06	Exhibit 9626.000-0		
RCO9626 Total		987.92	0.00	1,210.55	0.00	0.00	481.69	0.00	0.00	341.90	0.00	0.00	189.00	3,211.06	Exhibit 9626.000-0	3,211	October 23, 2014, REA Narrative, Page 576
RCO9629	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9629.000-0		
RCO9629	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9629.000-0		
RCO9629	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9629.000-0		
RCO9629	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	10,198.30	0.00	0.00	0.00	0.00	0.00	57,785.83	67,984.13	Exhibit 9629.000-0		
RCO9629 Total		0.00	0.00	0.00	0.00	0.00	10,198.30	0.00	0.00	0.00	0.00	0.00	57,785.83	67,984.13	Exhibit 9629.000-0	67,984	October 23, 2014, REA Narrative, Page 576
RCO9510	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9510.000-0		
RCO9510	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9510.000-0		
RCO9510	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9510.000-0		
RCO9510	Cost of Work Added	15,308.61	0.00	8,129.10	0.00	0.00	4,469.95	0.00	0.00	1,890.00	0.00	0.00	0.00	29,797.66	Exhibit 9510.000-0		
RCO9510 Total		15,308.61	0.00	8,129.10	0.00	0.00	4,469.95	0.00	0.00	1,890.00	0.00	0.00	0.00	29,797.66	Exhibit 9510.000-0	29,798	October 23, 2014, REA Narrative, Page 576
RCO9511	Estimated Cost of All Work Deleted	-10,206.30	0.00	-36,774.50	0.00	0.00	-3,977.40	0.00	0.00	-13,131.30	0.00	0.00	0.00	-64,089.50	Exhibit 9511.000-0		
RCO9511	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9511.000-0		
RCO9511	Net Cost To Be Deleted	-10,206.30	0.00	-36,774.50	0.00	0.00	-3,977.40	0.00	0.00	-13,131.30	0.00	0.00	0.00	-64,089.50	Exhibit 9511.000-0		
RCO9511	Cost of Work Added	67,224.87	0.00	62,710.20	0.00	0.00	26,885.55	0.00	0.00	22,404.50	0.00	0.00	0.00	179,225.12	Exhibit 9511.000-0		
RCO9511 Total		57,018.57	0.00	25,935.70	0.00	0.00	22,908.16	0.00	0.00	9,273.20	0.00	0.00	0.00	115,135.62	Exhibit 9511.000-0	115,136	October 23, 2014, REA Narrative, Page 576
RCO9546	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9546.000-0		
RCO9546	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9546.000-0		
RCO9546	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9546.000-0		
RCO9546	Cost of Work Added	6,835.69	0.00	564.84	0.00	0.00	1,340.14	0.00	0.00	193.02	0.00	0.00	0.00	8,933.69	Exhibit 9546.000-0		
RCO9546 Total		6,835.69	0.00	564.84	0.00	0.00	1,340.14	0.00	0.00	193.02	0.00	0.00	0.00	8,933.69	Exhibit 9546.000-0	8,934	October 23, 2014, REA Narrative, Page 576
RCO9554	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9554.000-0		
RCO9554	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9554.000-0		
RCO9554	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9554.000-0		
RCO9554	Cost of Work Added	16.91	0.00	467.37	0.00	0.00	331.09	0.00	0.00	930.31	0.00	0.00	461.44	2,207.11	Exhibit 9554.000-0		
RCO9554 Total		16.91	0.00	467.37	0.00	0.00	331.09	0.00	0.00	930.31	0.00	0.00	461.44	2,207.11	Exhibit 9554.000-0	2,207	October 23, 2014, REA Narrative, Page 577
RCO9560	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9560.000-0.R1		
RCO9560	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9560.000-0.R1		
RCO9560	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9560.000-0.R1		
RCO9560	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	529.45	0.00	0.00	0.00	0.00	0.00	3,000.00	3,529.45	Exhibit 9560.000-0.R1		
RCO9560 Total		0.00	0.00	0.00	0.00	0.00	529.45	0.00	0.00	0.00	0.00	0.00	3,000.00	3,529.45	Exhibit 9560.000-0.R1	3,529	April 21, 2015, Update to REA Narrative, Page 577
RCO9578	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9578.000-0		
RCO9578	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9578.000-0		
RCO9578	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9578.000-0		
RCO9578	Cost of Work Added	51,651.87	0.00	45,804.30	0.00	0.00	30,984.37	0.00	0.00	29,205.24	0.00	0.00	48,902.98	206,548.76	Exhibit 9578.000-0		
RCO9578 Total		51,651.87	0.00	45,804.30	0.00	0.00	30,984.37	0.00	0.00	29,205.24	0.00	0.00	48,902.98	206,548.76	Exhibit 9578.000-0	206,549	October 23, 2014, REA Narrative, Page 577
RCO9583	Estimated Cost of All Work Deleted	-1,545.60	0.00	-39,097.10	0.00	0.00	-4,465.34	0.00	0.00	-16,823.80	0.00	0.00	-10,020.02	-71,951.86	Exhibit 9583.000-0.R1		
RCO9583	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9583.000-0.R1		
RCO9583	Net Cost To Be Deleted	-1,545.60	0.00	-39,097.10	0.00	0.00	-4,465.34	0.00	0.00	-16,823.80	0.00	0.00	-10,020.02	-71,951.86	Exhibit 9583.000-0.R1		
RCO9583	Cost of Work Added	456.44	0.00	9,653.23	0.00	0.00	37,570.89	0.00	0.00	14,847.45	0.00	0.00	187,927.98	250,455.98	Exhibit 9583.000-0.R1		
RCO9583 Total		-1,089.17	0.00	-29,443.87	0.00	0.00	33,105.56	0.00	0.00	-1,976.36	0.00	0.00	177,907.96	178,504.13	Exhibit 9583.000-0.R1	178,504	April 21, 2015, Update to REA Narrative, Page 577
RCO9586	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9586.000-0		
RCO9586	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9586.000-0		
RCO9586	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9586.000-0		
RCO9586	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	870.07	0.00	0.00	0.00	0.00	0.00	4,930.00	5,800.07	Exhibit 9586.000-0		
RCO9586 Total		0.00	0.00	0.00	0.00	0.00	870.07	0.00	0.00	0.00	0.00	0.00	4,930.00	5,800.07	Exhibit 9586.000-0	5,800	October 23, 2014, REA Narrative, Page 577
RCO9589	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9589.000-0		
RCO9589	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9589.000-0		
RCO9589	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9589.000-0		
RCO9589	Cost of Work Added	132,249.69	0.00	78,107.16	0.00	0.00	67,554.38	0.00	0.00	95,368.86	0.00	0.00	77,052.54	450,332.64	Exhibit 9589.000-0		
RCO9589 Total		132,249.69	0.00	78,107.16	0.00	0.00	67,554.38	0.00	0.00	95,368.86	0.00	0.00	77,052.54	450,332.64	Exhibit 9589.000-0	450,333	October 23, 2014, REA Narrative, Page 577



Overall Table of Cost Elements for Extra Work RCOs

Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
RCO9603	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9603.000-0		
RCO9603	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9603.000-0		
RCO9603	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9603.000-0		
RCO9603	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	8,077.37	0.00	0.00	0.00	0.00	0.00	45,768.18	53,845.55	Exhibit 9603.000-0		
RCO9603 Total		0.00	0.00	0.00	0.00	0.00	8,077.37	0.00	0.00	0.00	0.00	0.00	45,768.18	53,845.55	Exhibit 9603.000-0	53,846	October 23, 2014, REA Narrative, Page 577
RCO9579	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9579.000-0		
RCO9579	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9579.000-0		
RCO9579	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9579.000-0		
RCO9579	Cost of Work Added	1,401.24	0.00	1,100.44	0.00	0.00	441.51	0.00	0.00	0.00	0.00	0.00	0.00	2,943.18	Exhibit 9579.000-0		
RCO9579 Total		1,401.24	0.00	1,100.44	0.00	0.00	441.51	0.00	0.00	0.00	0.00	0.00	0.00	2,943.18	Exhibit 9579.000-0	2,943	October 23, 2014, REA Narrative, Page 577
RCO9634	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9634.000-0		
RCO9634	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9634.000-0		
RCO9634	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9634.000-0		
RCO9634	Cost of Work Added	576.02	0.00	3,187.88	0.00	0.00	880.20	0.00	0.00	1,223.51	0.00	0.00	0.00	5,867.61	Exhibit 9634.000-0		
RCO9634 Total		576.02	0.00	3,187.88	0.00	0.00	880.20	0.00	0.00	1,223.51	0.00	0.00	0.00	5,867.61	Exhibit 9634.000-0	5,868	October 23, 2014, REA Narrative, Page 577
RCO9602	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9602.000-0		
RCO9602	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9602.000-0		
RCO9602	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9602.000-0		
RCO9602	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	782.53	0.00	0.00	0.00	0.00	0.00	4,434.00	5,216.53	Exhibit 9602.000-0		
RCO9602 Total		0.00	0.00	0.00	0.00	0.00	782.53	0.00	0.00	0.00	0.00	0.00	4,434.00	5,216.53	Exhibit 9602.000-0	5,217	October 23, 2014, REA Narrative, Page 577
RCO9627	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9627.000-0		
RCO9627	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9627.000-0		
RCO9627	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9627.000-0		
RCO9627	Cost of Work Added	4,565.63	0.00	3,028.40	0.00	0.00	12,833.94	0.00	0.00	3,299.98	0.00	0.00	61,825.95	85,553.90	Exhibit 9627.000-0		
RCO9627 Total		4,565.63	0.00	3,028.40	0.00	0.00	12,833.94	0.00	0.00	3,299.98	0.00	0.00	61,825.95	85,553.90	Exhibit 9627.000-0	85,554	October 23, 2014, REA Narrative, Page 577
RCO9628	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9628.000-0		
RCO9628	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9628.000-0		
RCO9628	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9628.000-0		
RCO9628	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	263.84	0.00	0.00	0.00	0.00	0.00	1,495.00	1,758.84	Exhibit 9628.000-0		
RCO9628 Total		0.00	0.00	0.00	0.00	0.00	263.84	0.00	0.00	0.00	0.00	0.00	1,495.00	1,758.84	Exhibit 9628.000-0	1,759	October 23, 2014, REA Narrative, Page 577
RCO9559	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9559.000 and 9559.001-0		
RCO9559	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9559.000 and 9559.001-0		
RCO9559	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9559.000 and 9559.001-0		
RCO9559	Cost of Work Added	81,543.00	0.00	0.00	0.00	0.00	14,391.07	0.00	0.00	0.00	0.00	0.00	0.00	95,934.07	Exhibit 9559.000 and 9559.001-0		
RCO9559 Total		81,543.00	0.00	0.00	0.00	0.00	14,391.07	0.00	0.00	0.00	0.00	0.00	0.00	95,934.07	Exhibit 9559.000 and 9559.001-0	95,934	October 23, 2014, REA Narrative, Page 577
RCO9545	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9545.000-0		
RCO9545	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9545.000-0		
RCO9545	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9545.000-0		
RCO9545	Cost of Work Added	0.00	0.00	605.56	0.00	0.00	140.84	0.00	0.00	192.48	0.00	0.00	0.00	938.88	Exhibit 9545.000-0		
RCO9545 Total		0.00	0.00	605.56	0.00	0.00	140.84	0.00	0.00	192.48	0.00	0.00	0.00	938.88	Exhibit 9545.000-0	939	October 23, 2014, REA Narrative, Page 577
Subtotal	Estimated Cost of All Work Deleted	-15,322.83	0.00	-77,773.92	0.00	0.00	-9,392.73	0.00	0.00	-31,325.95	0.00	0.00	-17,533.62	-151,349.05			
Subtotal	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Subtotal	Net Cost To Be Deleted	-15,322.83	0.00	-77,773.92	0.00	0.00	-9,392.73	0.00	0.00	-31,325.95	0.00	0.00	-17,533.62	-151,349.05			
Subtotal	Cost of Work Added	893,846.94	0.00	408,766.23	0.00	0.00	607,036.73	0.00	0.00	457,263.86	0.00	0.00	1,679,728.87	4,046,642.63			
Grand Total		878,524.11	0.00	330,992.31	0.00	0.00	597,644.00	0.00	0.00	425,937.91	0.00	0.00	1,662,195.25	3,895,293.58		3,895,296	April 21, 2015, Update to REA Narrative, Page 577

Notes:

- 1 The Net Cost of Change is the actual cost for each RCO item determined to the nearest penny as presented in the claim exhibits.  
2 The Net Cost of Change (Rounded) is the amount carried forward from the claim exhibits to the narrative and was rounded to the nearest dollar. These amounts represent the actual claimed amounts. The variance due to rounding is \$2.42.

Overall Table of Cost Elements for Replacement of PCCP Panels

Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
RCO9584	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9584.000-0		
RCO9584	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9584.000-0		
RCO9584	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9584.000-0		
RCO9584	Cost of Work Added	188,925.57	0.00	101,282.48	0.00	0.00	95,978.95	0.00	0.00	99,401.70	0.00	0.00	154,228.48	639,817.18	Exhibit 9584.000-0		
<b>RCO9584 Total</b>		<b>188,925.57</b>	<b>0.00</b>	<b>101,282.48</b>	<b>0.00</b>	<b>0.00</b>	<b>95,978.95</b>	<b>0.00</b>	<b>0.00</b>	<b>99,401.70</b>	<b>0.00</b>	<b>0.00</b>	<b>154,228.48</b>	<b>639,817.18</b>	<b>Exhibit 9584.000-0</b>	<b>639,817</b>	October 23, 2014, REA Narrative, Page 578
RCO9597	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9597.000-0		
RCO9597	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9597.000-0		
RCO9597	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9597.000-0		
RCO9597	Cost of Work Added	4,590.69	0.00	36,097.44	0.00	0.00	40,344.80	0.00	0.00	34,303.45	0.00	0.00	153,611.10	268,947.47	Exhibit 9597.000-0		
<b>RCO9597 Total</b>		<b>4,590.69</b>	<b>0.00</b>	<b>36,097.44</b>	<b>0.00</b>	<b>0.00</b>	<b>40,344.80</b>	<b>0.00</b>	<b>0.00</b>	<b>34,303.45</b>	<b>0.00</b>	<b>0.00</b>	<b>153,611.10</b>	<b>268,947.47</b>	<b>Exhibit 9597.000-0</b>	<b>268,947</b>	October 23, 2014, REA Narrative, Page 578
RCO9606	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9606.000-0		
RCO9606	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9606.000-0		
RCO9606	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9606.000-0		
RCO9606	Cost of Work Added	53,227.27	0.00	39,638.74	0.00	0.00	25,518.57	0.00	0.00	45,079.89	0.00	0.00	6,648.05	170,112.52	Exhibit 9606.000-0		
<b>RCO9606 Total</b>		<b>53,227.27</b>	<b>0.00</b>	<b>39,638.74</b>	<b>0.00</b>	<b>0.00</b>	<b>25,518.57</b>	<b>0.00</b>	<b>0.00</b>	<b>45,079.89</b>	<b>0.00</b>	<b>0.00</b>	<b>6,648.05</b>	<b>170,112.52</b>	<b>Exhibit 9606.000-0</b>	<b>170,113</b>	October 23, 2014, REA Narrative, Page 578
RCO9598	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9598.000-0		
RCO9598	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9598.000-0		
RCO9598	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9598.000-0		
RCO9598	Cost of Work Added	158,724.36	0.00	121,389.40	0.00	0.00	101,224.65	0.00	0.00	122,846.56	0.00	0.00	170,601.19	674,786.16	Exhibit 9598.000-0		
<b>RCO9598 Total</b>		<b>158,724.36</b>	<b>0.00</b>	<b>121,389.40</b>	<b>0.00</b>	<b>0.00</b>	<b>101,224.65</b>	<b>0.00</b>	<b>0.00</b>	<b>122,846.56</b>	<b>0.00</b>	<b>0.00</b>	<b>170,601.19</b>	<b>674,786.16</b>	<b>Exhibit 9598.000-0</b>	<b>674,786</b>	October 23, 2014, REA Narrative, Page 578
RCO9599	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9599.000-0		
RCO9599	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9599.000-0		
RCO9599	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9599.000-0		
RCO9599	Cost of Work Added	188,264.54	0.00	97,373.40	0.00	0.00	100,677.50	0.00	0.00	67,940.85	0.00	0.00	216,882.43	671,138.72	Exhibit 9599.000-0		
<b>RCO9599 Total</b>		<b>188,264.54</b>	<b>0.00</b>	<b>97,373.40</b>	<b>0.00</b>	<b>0.00</b>	<b>100,677.50</b>	<b>0.00</b>	<b>0.00</b>	<b>67,940.85</b>	<b>0.00</b>	<b>0.00</b>	<b>216,882.43</b>	<b>671,138.72</b>	<b>Exhibit 9599.000-0</b>	<b>671,139</b>	October 23, 2014, REA Narrative, Page 578
RCO9605	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9605.000 and 9608.000-0		
RCO9605	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9605.000 and 9608.000-0		
RCO9605	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9605.000 and 9608.000-0		
RCO9605	Cost of Work Added	95,161.34	0.00	54,577.04	0.00	0.00	40,157.10	0.00	0.00	53,292.52	0.00	0.00	24,508.20	267,696.20	Exhibit 9605.000 and 9608.000-0		
<b>RCO9605 Total</b>		<b>95,161.34</b>	<b>0.00</b>	<b>54,577.04</b>	<b>0.00</b>	<b>0.00</b>	<b>40,157.10</b>	<b>0.00</b>	<b>0.00</b>	<b>53,292.52</b>	<b>0.00</b>	<b>0.00</b>	<b>24,508.20</b>	<b>267,696.20</b>	<b>Exhibit 9605.000 and 9608.000-0</b>	<b>267,696</b>	October 23, 2014, REA Narrative, Page 578
RCO9609	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9609.000-0.R1		
RCO9609	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9609.000-0.R1		
RCO9609	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9609.000-0.R1		
RCO9609	Cost of Work Added	1,167,350.42	0.00	949,203.73	0.00	0.00	684,300.16	0.00	0.00	709,718.68	0.00	0.00	1,051,124.99	4,561,697.98	Exhibit 9609.000-0.R1		
<b>RCO9609 Total</b>		<b>1,167,350.42</b>	<b>0.00</b>	<b>949,203.73</b>	<b>0.00</b>	<b>0.00</b>	<b>684,300.16</b>	<b>0.00</b>	<b>0.00</b>	<b>709,718.68</b>	<b>0.00</b>	<b>0.00</b>	<b>1,051,124.99</b>	<b>4,561,697.98</b>	<b>Exhibit 9609.000-0.R1</b>	<b>4,561,698</b>	April 21, 2015, Update to REA Narrative, Page 578
RCO9612	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9612.000-00		
RCO9612	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9612.000-0		
RCO9612	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9612.000-0		
RCO9612	Cost of Work Added	21,814.53	0.00	8,287.21	0.00	0.00	39,276.63	0.00	0.00	4,702.60	0.00	0.00	187,745.83	261,826.79	Exhibit 9612.000-0		
<b>RCO9612 Total</b>		<b>21,814.53</b>	<b>0.00</b>	<b>8,287.21</b>	<b>0.00</b>	<b>0.00</b>	<b>39,276.63</b>	<b>0.00</b>	<b>0.00</b>	<b>4,702.60</b>	<b>0.00</b>	<b>0.00</b>	<b>187,745.83</b>	<b>261,826.79</b>	<b>Exhibit 9612.000-0</b>	<b>261,827</b>	October 23, 2014, REA Narrative, Page 578
RCO9613	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9613.000-00		
RCO9613	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9613.000-0		
RCO9613	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9613.000-0		
RCO9613	Cost of Work Added	103,207.03	0.00	134,096.17	0.00	0.00	191,201.21	0.00	0.00	66,479.24	0.00	0.00	779,606.41	1,274,590.06	Exhibit 9613.000-0		
<b>RCO9613 Total</b>		<b>103,207.03</b>	<b>0.00</b>	<b>134,096.17</b>	<b>0.00</b>	<b>0.00</b>	<b>191,201.21</b>	<b>0.00</b>	<b>0.00</b>	<b>66,479.24</b>	<b>0.00</b>	<b>0.00</b>	<b>779,606.41</b>	<b>1,274,590.06</b>	<b>Exhibit 9613.000-0</b>	<b>1,274,590</b>	October 23, 2014, REA Narrative, Page 578
RCO9622	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9622.000 & 9623.000-0		
RCO9622	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9622.000 & 9623.000-0		
RCO9622	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9622.000 & 9623.000-0		
RCO9622	Cost of Work Added	36,848.86	0.00	246,903.08	0.00	0.00	85,414.03	0.00	0.00	70,852.14	0.00	0.00	129,370.92	569,389.03	Exhibit 9622.000 & 9623.000-0		
<b>RCO9622 Total</b>		<b>36,848.86</b>	<b>0.00</b>	<b>246,903.08</b>	<b>0.00</b>	<b>0.00</b>	<b>85,414.03</b>	<b>0.00</b>	<b>0.00</b>	<b>70,852.14</b>	<b>0.00</b>	<b>0.00</b>	<b>129,370.92</b>	<b>569,389.03</b>	<b>Exhibit 9622.000 &amp; 9623.000-0</b>	<b>569,389</b>	April 21, 2015, Update to REA Narrative, Page 578
RCO9635	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9635.000-0		
RCO9635	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9635.000-0		
RCO9635	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9635.000-0		
RCO9635	Cost of Work Added	142.30	0.00	8,467.16	0.00	0.00	2,888.21	0.00	0.00	7,195.97	0.00	0.00	559.80	19,253.44	Exhibit 9635.000-0		
<b>RCO9635 Total</b>		<b>142.30</b>	<b>0.00</b>	<b>8,467.16</b>	<b>0.00</b>	<b>0.00</b>	<b>2,888.21</b>	<b>0.00</b>	<b>0.00</b>	<b>7,195.97</b>	<b>0.00</b>	<b>0.00</b>	<b>559.80</b>	<b>19,253.44</b>	<b>Exhibit 9635.000-0</b>	<b>19,253</b>	October 23, 2014, REA Narrative, Page 578
RCO9638	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9638.000-0		
RCO9638	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9638.000-0		
RCO9638	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9638.000-0		
RCO9638	Cost of Work Added	230,093.89	0.00	141,428.98	0.00	0.00	123,977.55	0.00	0.00	78,944.97	0.00	0.00	252,016.70	826,462.09	Exhibit 9638.000-0		
<b>RCO9638 Total</b>		<b>230,093.89</b>	<b>0.00</b>	<b>141,428.98</b>	<b>0.00</b>	<b>0.00</b>	<b>123,977.55</b>	<b>0.00</b>	<b>0.00</b>	<b>7</b>							

Overall Table of Cost Elements for Replacement of PCCP Panels

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
Subtotal	Cost of Work Added	2,248,350.79	22,804.23	2,013,868.76	0.00	0.00	1,530,959.37	0.00	0.00	1,360,758.56	0.00	0.00	3,148,792.01	10,325,533.72			
Grand Total		2,248,350.79	22,804.23	2,013,868.76	0.00	0.00	1,530,959.37	0.00	0.00	1,360,758.56	0.00	0.00	3,148,792.01	10,325,533.72		10,325,533	Updated CDA Claim Narrative Page 578 (Exhibit B)

Notes:

- 1 The Net Cost of Change is the actual cost for each RCO item determined to the nearest penny as presented in the claim exhibits.
- 2 The Net Cost of Change (Rounded) is the amount carried forward from the claim exhibits to the narrative and was rounded to the nearest dollar. These amounts represent the actual claimed amounts. The variance due to rounding is -\$0.72.

Andrews AFB, Maryland  
Repair/Replacement of West Runway 01L/19R

Request for Equitable Adjustment  
Tutor Perini Corporation

**PMSI Panel Replacement Support  
Labor and Expenses**

**Labor Total  
\$75,123.93**

PMSI Panel Replacement Support -- Labor and Expenses									
Name	Cost Type/Charge	Journal Date	Hours	Rate	OT Rate	Other	Invoice Date	Invoice No.	Total Gross
Andrew T. Macneil	Labor	10/08/11	1.5	\$21.635					\$32.45
Andrew T. Macneil	Labor	12/24/11	5.5	\$21.635					\$118.99
Andrew T. Macneil	Labor	12/31/11	6.0	\$21.635					\$129.81
Andrew T. Macneil	Labor	01/07/12	19.5	\$21.635					\$421.88
Andrew T. Macneil	Labor	01/14/12	40.0	\$21.635					\$865.40
Andrew T. Macneil	Labor	01/21/12	40.0	\$21.635					\$865.40
Andrew T. Macneil	Labor	01/28/12	34.0	\$21.635					\$735.59
Andrew T. Macneil	Labor	02/04/12	40.0	\$21.635					\$865.40
Andrew T. Macneil	Labor	02/11/12	32.0	\$21.635					\$692.32
Andrew T. Macneil	Labor	02/18/12	40.0	\$21.635					\$865.40
Andrew T. Macneil	Labor	02/25/12	40.0	\$21.635					\$865.40
Andrew T. Macneil	Labor	03/03/12	40.0	\$21.635					\$865.40
Andrew T. Macneil	Labor	03/10/12	9.5	\$24.039					\$228.37
Andrew T. Macneil	Labor	03/17/12	5.5	\$24.039					\$132.21
James Freeo	Labor	02/25/12	4.0	\$70.000					\$280.00
James Freeo	Labor	03/03/12	32.0	\$57.692					\$1,846.14
James Freeo	Labor	03/10/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	03/17/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	03/24/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	03/31/12	13.0	\$57.692					\$750.00
James Freeo	Labor	04/07/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	04/14/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	04/21/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	04/28/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	05/05/12	32.0	\$57.692					\$1,846.14
James Freeo	Labor	05/05/12	8.0		\$57.692				\$461.54
James Freeo	Labor	05/12/12	40.0	\$57.692					\$2,307.68
James Freeo	Labor	05/12/12				9114			\$9,114.00
James Freeo	Labor	05/19/12	3.0		\$57.692				\$173.08
James Freeo	Labor	05/19/12	37.0	\$57.692					\$2,134.60
James Freeo	Labor	05/26/12	39.0	\$57.692					\$2,249.99
James Freeo	Labor	06/02/12	24.0	\$57.692					\$1,384.61
James Freeo	Labor	06/09/12	31.5	\$57.692					\$1,817.30
James Freeo	Labor	06/09/12	8.5		\$57.692				\$490.38
James Freeo	Labor	06/16/12	10.5		\$57.692				\$605.77
James Freeo	Labor	06/16/12	23.5	\$57.692					\$1,355.76
James Freeo	Labor	06/23/12	7.0		\$57.692				\$403.84
James Freeo	Labor	06/23/12	20.0	\$57.692					\$1,153.84
James Freeo	Labor	06/30/12	14.0	\$57.692					\$807.69
James Freeo	Labor	06/30/12				3421			\$3,421.00
James Freeo	Labor	07/07/12	10.0	\$57.692					\$576.92
James Freeo	Labor	07/07/12				673			\$673.00
Michael Gardner	Labor	01/14/12	36.0	\$24.039					\$865.40
Michael Gardner	Labor	01/21/12	40.0	\$24.039					\$961.56
Michael Gardner	Labor	01/28/12	40.0	\$24.039					\$961.56
Michael Gardner	Labor	02/04/12	40.0	\$24.039					\$961.56
Michael Gardner	Labor	02/11/12	40.0	\$24.039					\$961.56
Michael Gardner	Labor	02/18/12	40.0	\$24.039					\$961.56
Michael Gardner	Labor	02/25/12	3.0	\$24.039					\$72.12
Andrew T. Macneil	Burden	03/31/13							\$1,978.69
James Freeo	Burden	03/31/13							\$8,407.19
Michael Gardner	Burden	03/31/13		\$0.430					\$1,301.66
Samuel B. Cramer	Consulting 2/23 to 2/24						03/05/12	22412 SBC	\$2,250.00
Samuel B. Cramer	Consulting Jun 12						07/10/12	60812 SBC	\$2,101.12
Black Construction	Sub (Manny Concepcion)						10/05/12	16334	\$21,887.91
Andrew T. Macneil	T & E						01/16/12	11512	(\$236.92)
Andrew T. Macneil	T & E						01/16/12	12212	\$1,227.67
Andrew T. Macneil	T & E						01/28/12	12812	\$1,046.74
Andrew T. Macneil	T & E						01/28/12	20312	(\$1,356.85)
Andrew T. Macneil	T & E						02/11/12	21112	(\$572.34)
Andrew T. Macneil	T & E						02/18/12	21812	\$210.44
Andrew T. Macneil	T & E						02/25/12	22512	\$2,217.64
Andrew T. Macneil	T & E						03/02/12	30312	\$1,812.74
Andrew T. Macneil	T & E						02/18/12	21812A	\$1,891.00
Andrew T. Macneil	T & E						03/15/12	31512	\$117.66
James Freeo	T & E						03/05/12	30112 JFF	\$828.02
James Freeo	T & E						04/02/12	31712 JFF	\$496.89
James Freeo	T & E						04/02/12	33112 JFF	\$623.00
James Freeo	T & E						04/16/12	41412 JFF	\$576.04
James Freeo	T & E						04/23/12	42112 JFF	\$511.70
James Freeo	T & E						03/12/12	31012 JFF	\$1,959.83
James Freeo	T & E						04/12/12	40712 JFF	\$586.08

**Expense  
Subtotal 1  
\$4,351.12**

**Sub Total  
\$21,887.91**

**Expense Subtotal 2  
\$11,939.34**

Andrews AFB, Maryland  
 Repair/Replacement of West Runway 01L/19R

Request for Equitable Adjustment  
 Tutor Perini Corporation

**PMSI Panel Replacement Support  
 Labor and Expenses**

PMSI Panel Replacement Support -- Labor and Expenses									
Name	Cost Type/Charge	Journal Date	Hours	Rate	OT Rate	Other	Invoice Date	Invoice No.	Total Gross
James Freeo	T & E						05/02/12	42812 JJF	\$517.88
James Freeo	T & E						05/10/12	50512 JJF	\$537.12
James Freeo	T & E						06/25/12	51912 JJF	\$428.60
James Freeo	T & E						06/25/12	52612 JJF	\$462.03
James Freeo	T & E						06/25/12	60212 JJF	\$401.34
James Freeo	T & E						06/25/12	601912 JJF	\$486.66
James Freeo	T & E						07/02/12	61612 JJF	\$470.87
James Freeo	T & E						07/02/12	62312 JJF	\$464.80
James Freeo	T & E						07/02/12	63012 JJF	\$575.14
James Freeo	T & E						07/09/12	70712 JJF	\$309.22
James Freeo	T & E						07/09/12	70912 JJF	\$115.00
James Freeo	T & E						08/10/12	80712 JJF	(\$200.00)
Samuel B. Cramer	T & E						03/05/12	30512 SBC	\$712.80
James Freeo	T & E						04/02/12	32412 JJF	\$493.48
James Freeo	T & E						06/25/12	51212 JJF	\$738.84
Totals			1,229.5						\$119,816.07

Expense  
 Subtotal 3  
 \$6,513.77

Expense Total  
 \$ 4,351.12  
 \$11,939.34  
 \$ 6,513.77  
 \$22,804.23

Overall Table of Cost Type for Government Credit RCOs

Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
RCO9595	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	-6,939.85	0.00	0.00	0.00	0.00	0.00	-104,884.88	-111,824.73	Exhibit 9595.000-0		
RCO9595	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9595.000-0		
RCO9595	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	-6939.85	0.00	0.00	0.00	0.00	0.00	-104884.88	-111,824.73	Exhibit 9595.000-0		
RCO9595	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9595.000-0		
<b>RCO9595 Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-6939.85</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-104884.88</b>	<b>-111,824.73</b>	<b>Exhibit 9595.000-0</b>	<b>-111,825</b>	October 23, 2014, REA Narrative, Page 579
RCO9624	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	-3,921.61	0.00	0.00	0.00	0.00	0.00	-59,268.98	-63,190.59	Exhibit 9624.000-0		
RCO9624	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9624.000-0		
RCO9624	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	-3921.61	0.00	0.00	0.00	0.00	0.00	-59268.98	-63,190.59	Exhibit 9624.000-0		
RCO9624	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9624.000-0		
<b>RCO9624 Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-3921.61</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-59268.98</b>	<b>-63,190.59</b>	<b>Exhibit 9624.000-0</b>	<b>-63,191</b>	October 23, 2014, REA Narrative, Page 579
RCO9665	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	-158.57	0.00	0.00	0.00	0.00	0.00	-2,396.60	-2,555.17	Exhibit 9665.000-0		
RCO9665	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9665.000-0		
RCO9665	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	-158.57	0.00	0.00	0.00	0.00	0.00	-2,396.60	-2,555.17	Exhibit 9665.000-0		
RCO9665	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9665.000-0		
<b>RCO9665 Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-158.57</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-2396.60</b>	<b>-2,555.17</b>	<b>Exhibit 9665.000-0</b>	<b>-2,555</b>	October 23, 2014, REA Narrative, Page 579
RCO9572	Estimated Cost of All Work Deleted	-1,782,685.79	0.00	0.00	0.00	0.00	-117,953.81	0.00	0.00	0.00	0.00	0.00	0.00	-1,900,639.60	Exhibit 9572.000-0		
RCO9572	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9572.000-0		
RCO9572	Net Cost To Be Deleted	-1,782,685.79	0.00	0.00	0.00	0.00	-117,953.81	0.00	0.00	0.00	0.00	0.00	0.00	-1,900,639.60	Exhibit 9572.000-0		
RCO9572	Cost of Work Added	1,367,572.02	0.00	0.00	0.00	0.00	241,355.11	0.00	0.00	0.00	0.00	0.00	0.00	1,608,927.13	Exhibit 9572.000-0		
<b>RCO9572 Total</b>		<b>-415,113.77</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>123,401.30</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-291,712.47</b>	<b>Exhibit 9572.000-0</b>	<b>-291,712</b>	October 23, 2014, REA Narrative, Page 579
RCO9596	Estimated Cost of All Work Deleted	-529,406.72	0.00	-121,513.87	0.00	0.00	-54,596.99	0.00	0.00	-174,226.76	0.00	0.00	0.00	-879,744.34	Exhibit 9596.000-0		
RCO9596	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9596.000-0		
RCO9596	Net Cost To Be Deleted	-529,406.72	0.00	-121,513.87	0.00	0.00	-54,596.99	0.00	0.00	-174,226.76	0.00	0.00	0.00	-879,744.34	Exhibit 9596.000-0		
RCO9596	Cost of Work Added	505,812.38	0.00	57,451.09	0.00	0.00	108,054.33	0.00	0.00	48,996.52	0.00	0.00	0.00	720,314.32	Exhibit 9596.000-0		
<b>RCO9596 Total</b>		<b>-23,594.34</b>	<b>0.00</b>	<b>-64,062.78</b>	<b>0.00</b>	<b>0.00</b>	<b>53,457.34</b>	<b>0.00</b>	<b>0.00</b>	<b>-125,230.24</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-159,430.02</b>	<b>Exhibit 9596.000-0</b>	<b>-159,430</b>	October 23, 2014, REA Narrative, Page 579
RCO9655	Estimated Cost of All Work Deleted	-114,410.27	0.00	-26,260.40	0.00	0.00	-11,798.97	0.00	0.00	-37,652.21	0.00	0.00	0.00	-190,121.86	Exhibit 9655.000-0		
RCO9655	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9655.000-0		
RCO9655	Net Cost To Be Deleted	-114,410.27	0.00	-26,260.40	0.00	0.00	-11,798.97	0.00	0.00	-37,652.21	0.00	0.00	0.00	-190,121.86	Exhibit 9655.000-0		
RCO9655	Cost of Work Added	109,311.29	0.00	12,415.78	0.00	0.00	23,351.66	0.00	0.00	10,588.65	0.00	0.00	0.00	155,667.38	Exhibit 9655.000-0		
<b>RCO9655 Total</b>		<b>-5,098.98</b>	<b>0.00</b>	<b>-13,844.63</b>	<b>0.00</b>	<b>0.00</b>	<b>11,552.68</b>	<b>0.00</b>	<b>0.00</b>	<b>-27,063.55</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-34,454.48</b>	<b>Exhibit 9655.000-0</b>	<b>-34,454</b>	October 23, 2014, REA Narrative, Page 579
RCO9567	Estimated Cost of All Work Deleted	-10,226.92	0.00	0.00	0.00	0.00	-676.68	0.00	0.00	0.00	0.00	0.00	0.00	-10,903.60	Exhibit 9657.000-0		
RCO9567	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9657.000-0		
RCO9567	Net Cost To Be Deleted	-10226.92	0.00	0.00	0.00	0.00	-676.68	0.00	0.00	0.00	0.00	0.00	0.00	-10,903.60	Exhibit 9657.000-0		
RCO9567	Cost of Work Added	5363.05	0.00	0.00	0.00	0.00	946.49	0.00	0.00	0.00	0.00	0.00	0.00	6,309.54	Exhibit 9657.000-0		
<b>RCO9567 Total</b>		<b>-4863.87</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>269.82</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-4,594.05</b>	<b>Exhibit 9657.000-0</b>	<b>-4,594</b>	October 23, 2014, REA Narrative, Page 579
RCO9537	Estimated Cost of All Work Deleted	-14,662.97	0.00	-30,689.10	0.00	0.00	-4,694.15	0.00	0.00	-25,592.56	0.00	0.00	0.00	-75,638.76	Exhibit 9537.000-0		
RCO9537	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9537.000-0		
RCO9537	Net Cost To Be Deleted	-14,662.97	0.00	-30,689.10	0.00	0.00	-4,694.15	0.00	0.00	-25,592.56	0.00	0.00	0.00	-75,638.76	Exhibit 9537.000-0		
RCO9537	Cost of Work Added	11,779.72	0.00	1,354.95	0.00	0.00	8,870.59	0.00	0.00	1,040.55	0.00	0.00	36,087.50	59,133.31	Exhibit 9537.000-0		
<b>RCO9537 Total</b>		<b>-2,883.25</b>	<b>0.00</b>	<b>-29,334.14</b>	<b>0.00</b>	<b>0.00</b>	<b>4,176.44</b>	<b>0.00</b>	<b>0.00</b>	<b>-24,552.01</b>	<b>0.00</b>	<b>0.00</b>	<b>36,087.50</b>	<b>-16,505.46</b>	<b>Exhibit 9537.000-0</b>	<b>-16,505</b>	October 23, 2014, REA Narrative, Page 579
RCO9575	Estimated Cost of All Work Deleted	-24,130.05	0.00	-16,409.45	0.00	0.00	-3,523.09	0.00	0.00	-12,706.50	0.00	0.00	0.00	-56,769.09	Exhibit 9575.000-0		
RCO9575	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9575.000-0		
RCO9575	Net Cost To Be Deleted	-24,130.05	0.00	-16,409.45	0.00	0.00	-3,523.09	0.00	0.00	-12,706.50	0.00	0.00	0.00	-56,769.09	Exhibit 9575.000-0		
RCO9575	Cost of Work Added	1,248.00	0.00	157.60	0.00	0.00	289.01	0.00	0.00	232.00	0.00	0.00	0.00	1,926.61	Exhibit 9575.000-0		
<b>RCO9575 Total</b>		<b>-22,882.05</b>	<b>0.00</b>	<b>-16,251.85</b>	<b>0.00</b>	<b>0.00</b>	<b>-3,234.08</b>	<b>0.00</b>	<b>0.00</b>	<b>-12,474.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-54,842.48</b>	<b>Exhibit 9575.000-0</b>	<b>-54,842</b>	October 23, 2014, REA Narrative, Page 579
RCO9656	Estimated Cost of All Work Deleted	-76,616.90	0.00	-13,524.70	0.00	0.00	-6,268.71	0.00	0.00	-4,600.00	0.00	0.00	0.00	-101,010.31	Exhibit 9656.000-0		
RCO9656	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9656.000-0		
RCO9656	Net Cost To Be Deleted	-76,616.90	0.00	-13,524.70	0.00	0.00	-6,268.71	0.00	0.00	-4,600.00	0.00	0.00	0.00	-101,010.31	Exhibit 9656.000-0		
RCO9656	Cost of Work Added	6,425.00	0.00	5,760.00	0.00	0.00	3,165.25	0.00	0.00	5,750.00	0.00	0.00	0.00	21,100.25	Exhibit 9656.000-0		
<b>RCO9656 Total</b>		<b>-70,191.90</b>	<b>0.00</b>	<b>-7,764.70</b>	<b>0.00</b>	<b>0.00</b>	<b>-3,103.46</b>	<b>0.00</b>	<b>0.00</b>	<b>1,150.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-79,910.06</b>	<b>Exhibit 9656.000-0</b>	<b>-79,910</b>	October 23, 2014, REA Narrative, Page 579
<b>Subtotal</b>	Estimated Cost of All Work Deleted	-2,552,139.62	0.00	-208,397.52	0.00	0.00	-210,532.43	0.00	0.00	-254,778.02	0.00	0.00	-166,550.46	-3,392,398.05			
<b>Subtotal</b>	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
<b>Subtotal</b>	Net Cost To Be Deleted	-2,552,139.62	0.00	-208,397.52	0.00	0.00	-210,532.43	0.00	0.00	-254,778.02	0.00	0.00	-166,550.46	-3,392,398.05			
<b>Subtotal</b>	Cost of Work Added	2,007,511.46	0.00	77,139.42	0.00	0.00	386,032.43	0.00	0.00	66,607.72	0.00	0.00	36,087.50	2,573,378.53			
<b>Grand Total</b>		<b>-544,628.16</b>	<b>0.00</b>	<b>-131,258.10</b>	<b>0.00</b>	<b>0.00</b>	<b>175,500.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-188,170.30</b>	<b>0.00</b>	<b>0.00</b>	<b>-130,462.96</b>	<b>-819,019.51</b>		<b>-819,018</b>	October 23, 2014, REA Narrative, Page 579

Notes:

- 1 The Net Cost of Change is the actual cost for each RCO item determined to the nearest penny as presented in the claim exhibits.  
2 The Net Cost of Change (Rounded) is the amount carried forward from the claim exhibits to the narrative and was rounded to the nearest dollar. These amounts represent the actual claimed amounts. The variance due to rounding is \$1.51.



**AAFB-Repair/Replace Runway 01L/19R**  
**Table of Time Related General Conditions Costs - Labor**

Exhibit C-4

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

Cost Element	Cost Amount	Reference
Direct Time-Related GC Labor Costs	\$ 3,677,679	October 23, 2014, REA Narrative, Page 587
<b>Subtotal Labor Costs</b>	<b>\$ 3,677,679</b>	
PMSI Division Office Support	\$ 12,173	October 23, 2014, REA Narrative, Page 587
CHC G&A	\$ 167,702	October 23, 2014, REA Narrative, Page 587
Profit	\$ 385,755	October 23, 2014, REA Narrative, Page 587
Insurance Premiums	\$ 45,388	October 23, 2014, REA Narrative, Page 587
Contractor's Bond Premium	\$ 38,076	October 23, 2014, REA Narrative, Page 587
<b>Subtotal Mark-Ups</b>	<b>\$ 649,094</b>	
<b>Total Time Related GC Labor Cost</b>	<b>\$ 4,326,773</b>	October 23, 2014, REA Narrative, Page 587

## AAFB-Repair/Replace Runway 01L/19R

Exhibit C-5

## Table of Time Related General Conditions Costs - Materials / Services

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

Cost Element	Cost Amount	Reference
Direct Time-Related GC Materials/Services Costs	\$ 1,350,682	October 23, 2014, REA Narrative, Page 589
<b>Subtotal Material / Services Costs</b>	<b>\$ 1,350,682</b>	
PMSI Division Office Support	\$ 4,471	October 23, 2014, REA Narrative, Page 589
CHC G&A	\$ 61,591	October 23, 2014, REA Narrative, Page 589
Profit	\$ 141,674	October 23, 2014, REA Narrative, Page 589
Insurance Premiums	\$ 16,669	October 23, 2014, REA Narrative, Page 590
Contractor's Bond Premium	\$ 13,984	October 23, 2014, REA Narrative, Page 590
<b>Subtotal Mark-Ups</b>	<b>\$ 238,389</b>	
<b>Total Time-Related GC Materials/Services Cost</b>	<b>\$ 1,589,071</b>	October 23, 2014, REA Narrative, Page 590



**AAFB-Repair/Replace Runway 01L/19R**  
**Table of Time Related Equipment (Ownership) Costs**

Exhibit C-6

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

Cost Element	Cost Amount	Reference
Direct Time-Related Equipment (Ownership) Costs	\$ 3,257,137	October 23, 2014, REA Narrative, Page 592
<b>Subtotal Time-Related Equipment (Ownership) Costs</b>	<b>\$ 3,257,137</b>	
PMSI Division Office Support	\$ 10,781	October 23, 2014, REA Narrative, Page 592
CHC G&A	\$ 148,525	October 23, 2014, REA Narrative, Page 592
Profit	\$ 341,644	October 23, 2014, REA Narrative, Page 592
Insurance Premiums	\$ 40,198	October 23, 2014, REA Narrative, Page 592
Contractor's Bond Premium	\$ 33,722	October 23, 2014, REA Narrative, Page 592
<b>Subtotal Mark-Ups</b>	<b>\$ 574,870</b>	
<b>Total Time-Related Equipment (Ownership) Costs</b>	<b>\$ 3,832,007</b>	October 23, 2014, REA Narrative, Page 592

**AAFB-Repair/Replace Runway 01L/19R**  
**Table of Material Escalation Costs**

Exhibit C-7

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

Cost Element	Cost Amount	Reference
Material Escalation Costs	\$ 9,400	October 23, 2014, REA Narrative, Page 592
<b>Subtotal Material Escalation Costs</b>	<b>\$ 9,400</b>	
PMSI Division Office Support	\$ 31	October 23, 2014, REA Narrative, Page 592
CHC G&A	\$ 429	October 23, 2014, REA Narrative, Page 592
Profit	\$ 986	October 23, 2014, REA Narrative, Page 592
Insurance Premiums	\$ 116	October 23, 2014, REA Narrative, Page 592
Contractor's Bond Premium	\$ 97	October 23, 2014, REA Narrative, Page 592
<b>Subtotal Mark-Ups</b>	<b>\$ 1,659</b>	
<b>Total Material Escalation Cost</b>	<b>\$ 11,059</b>	October 23, 2014, REA Narrative, Page 592

Overall Table of Cost Type for ADP Impact RCOs

Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

RCO #	Cost Description	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
RCO9591	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9591.000-0.R1		
RCO9591	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9591.000-0.R1		
RCO9591	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9591.000-0.R1		
RCO9591	Cost of Work Added	0.00	0.00	1,953.00	0.00	0.00	49,651.00	0.00	0.00	279,376.00	0.00	0.00	0.00	330,980.00	Exhibit 9591.000-0.R1		
<b>RCO9591 Total</b>		<b>0.00</b>	<b>0.00</b>	<b>1,953.00</b>	<b>0.00</b>	<b>0.00</b>	<b>49,651.00</b>	<b>0.00</b>	<b>0.00</b>	<b>279,376.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>330,980.00</b>	<b>Exhibit 9591.000-0.R1</b>	<b>330,980</b>	October 23, 2014, REA Narrative, Page 593
RCO9593	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9593.000-0.R1		
RCO9593	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9593.000-0.R1		
RCO9593	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9593.000-0.R1		
RCO9593	Cost of Work Added	73,390.00	0.00	3,913.00	0.00	0.00	14,580.00	0.00	0.00	5,310.00	0.00	0.00	0.00	97,193.00	Exhibit 9593.000-0.R1		
<b>RCO9593 Total</b>		<b>73,390.00</b>	<b>0.00</b>	<b>3,913.00</b>	<b>0.00</b>	<b>0.00</b>	<b>14,580.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5,310.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>97,193.00</b>	<b>Exhibit 9593.000-0.R1</b>	<b>97,193</b>	April 21, 2015, Update to REA Narrative, Page 593
RCO9594	Estimated Cost of All Work Deleted	-32,368.16	0.00	0.00	0.00	0.00	-2,141.68	0.00	0.00	0.00	0.00	0.00	0.00	-34,509.84	Exhibit 9594.000-0.R1		
RCO9594	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9594.000-0.R1		
RCO9594	Net Cost To Be Deleted	-32,368.16	0.00	0.00	0.00	0.00	-2,141.68	0.00	0.00	0.00	0.00	0.00	0.00	-34,509.84	Exhibit 9594.000-0.R1		
RCO9594	Cost of Work Added	68,073.59	0.00	49,971.56	0.00	0.00	38,658.40	0.00	0.00	101,002.02	0.00	0.00	0.00	257,705.57	Exhibit 9594.000-0.R1		
<b>RCO9594 Total</b>		<b>35,705.43</b>	<b>0.00</b>	<b>49,971.56</b>	<b>0.00</b>	<b>0.00</b>	<b>36,516.72</b>	<b>0.00</b>	<b>0.00</b>	<b>101,002.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>223,195.73</b>	<b>Exhibit 9594.000-0.R1</b>	<b>223,196</b>	April 21, 2015, Update to REA Narrative, Page 593
RCO9544	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9544.000/9590.000 -0		
RCO9544	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9544.000/9590.000 -0		
RCO9544	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9544.000/9590.000 -0		
RCO9544	Cost of Work Added	\$79,275	\$0	\$29,475	\$0	\$0	\$41,320	\$0	\$0	\$103,018	\$0	\$0	\$22,358	275,446.00	Exhibit 9544.000/9590.000 -0		
<b>RCO9544 Total</b>		<b>\$79,275</b>	<b>\$0</b>	<b>\$29,475</b>	<b>\$0</b>	<b>\$0</b>	<b>\$41,320</b>	<b>\$0</b>	<b>\$0</b>	<b>\$103,018</b>	<b>\$0</b>	<b>\$0</b>	<b>\$22,358</b>	<b>275,446.00</b>	<b>Exhibit 9544.000/9590.000 -0</b>	<b>275,446</b>	October 23, 2014, REA Narrative, Page 593
RCO9592	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9592.000-0		
RCO9592	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9592.000-0		
RCO9592	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9592.000-0		
RCO9592	Cost of Work Added	68,198.00	0.00	318,896.00	0.00	0.00	72,514.00	0.00	0.00	23,788.00	0.00	0.00	0.00	483,396.00	Exhibit 9592.000-0		
<b>RCO9592 Total</b>		<b>68,198.00</b>	<b>0.00</b>	<b>318,896.00</b>	<b>0.00</b>	<b>0.00</b>	<b>72,514.00</b>	<b>0.00</b>	<b>0.00</b>	<b>23,788.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>483,396.00</b>	<b>Exhibit 9592.000-0</b>	<b>483,396</b>	October 23, 2014, REA Narrative, Page 593
RCO9651	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9651.000-0		
RCO9651	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9651.000-0		
RCO9651	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9651.000-0		
RCO9651	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	5,459.00	0.00	0.00	0.00	0.00	0.00	30,994.00	36,453.00	Exhibit 9651.000-0		
<b>RCO9651 Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5,459.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>30,994.00</b>	<b>36,453.00</b>	<b>Exhibit 9651.000-0</b>	<b>36,453</b>	October 23, 2014, REA Narrative, Page 593
RCO9654	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9654.000-0		
RCO9654	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9654.000-0		
RCO9654	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9654.000-0		
RCO9654	Cost of Work Added	86,713.00	0.00	0.00	0.00	0.00	15,303.00	0.00	0.00	0.00	0.00	0.00	0.00	102,016.00	Exhibit 9654.000-0		
<b>RCO9654 Total</b>		<b>86,713.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>15,303.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>102,016.00</b>	<b>Exhibit 9654.000-0</b>	<b>102,016</b>	October 23, 2014, REA Narrative, Page 593
RCO9647	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9647.000-0		
RCO9647	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9647.000-0		
RCO9647	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9647.000-0		
RCO9647	Cost of Work Added	0.00	0.00	194,547.27	0.00	0.00	34,334.56	0.00	0.00	0.00	0.00	0.00	0.00	228,881.83	Exhibit 9647.000-0		
<b>RCO9647 Total</b>		<b>0.00</b>	<b>0.00</b>	<b>194,547.27</b>	<b>0.00</b>	<b>0.00</b>	<b>34,334.56</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>228,881.83</b>	<b>Exhibit 9647.000-0</b>	<b>228,882</b>	October 23, 2014, REA Narrative, Page 593
RCO9648	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9648-0		
RCO9648	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9648-0		
RCO9648	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Exhibit 9648-0		
RCO9648	Cost of Work Added	0.00	0.00	317,607.00	0.00	0.00	56,053.21	0.00	0.00	0.00	0.00	0.00	0.00	373,660.21	Exhibit 9648-0		
<b>RCO9648 Total</b>		<b>0.00</b>	<b>0.00</b>	<b>317,607.00</b>	<b>0.00</b>	<b>0.00</b>	<b>56,053.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>373,660.21</b>	<b>Exhibit 9648-0</b>	<b>373,660</b>	October 23, 2014, REA Narrative, Page 593
Subtotal	Estimated Cost of All Work Deleted	-32,368.16	0.00	0.00	0.00	0.00	-2,141.68	0.00	0.00	0.00	0.00	0.00	0.00	-34,509.84			
Subtotal	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Subtotal	Net Cost To Be Deleted	-32,368.16	0.00	0.00	0.00	0.00	-2,141.68	0.00	0.00	0.00	0.00	0.00	0.00	-34,509.84			
Subtotal	Cost of Work Added	375,649.59	0.00	916,362.83	0.00	0.00	327,873.17	0.00	0.00	512,494.02	0.00	0.00	53,352.00	2,185,731.60			
<b>Grand Total</b>		<b>343,281.43</b>	<b>0.00</b>	<b>916,362.83</b>	<b>0.00</b>	<b>0.00</b>	<b>325,731.48</b>	<b>0.00</b>	<b>0.00</b>	<b>512,494.02</b>	<b>0.00</b>	<b>0.00</b>	<b>53,352.00</b>	<b>2,151,221.76</b>		<b>2,151,222</b>	April 21, 2015, Update to REA Narrative, Page 593

Notes:

- 1 The Net Cost of Change is the actual cost for each RCO item determined to the nearest penny as presented in the claim exhibits.  
2 The Net Cost of Change (Rounded) is the amount carried forward from the claim exhibits to the narrative and was rounded to the nearest dollar. These amounts represent the actual claimed amounts. The variance due to rounding is \$0.24.

**AAFB-Repair/Replace Runway 01L/19R**  
**Table of Labor Inefficiency Costs**

Exhibit C-9

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

<b>Cost Element</b>	<b>Cost Amount</b>	<b>Reference</b>
Labor Inefficiency Costs	\$ 1,018,145	October 23, 2014, REA Narrative, Page 617
<b>Subtotal Labor Inefficiency Costs</b>	<b>\$ 1,018,145</b>	
PMSI Division Office Support	\$ 3,370	October 23, 2014, REA Narrative, Page 617
CHC G&A	\$ 46,427	October 23, 2014, REA Narrative, Page 617
Profit	\$ 106,794	October 23, 2014, REA Narrative, Page 617
Insurance Premiums	\$ 12,565	October 23, 2014, REA Narrative, Page 617
Contractor's Bond Premium	\$ 10,541	October 23, 2014, REA Narrative, Page 617
<b>Subtotal Mark-Ups</b>	<b>\$ 179,697</b>	
<b>Total Labor Inefficiency Cost</b>	<b>\$ 1,197,842</b>	October 23, 2014, REA Narrative, Page 617

**AAFB-Repair/Replace Runway 01L/19R**  
**Table of Equipment Inefficiency (Operating) Costs**

Exhibit C-10

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

<b>Cost Element</b>	<b>Cost Amount</b>	<b>Reference</b>
Equipment Inefficiency (Operating) Costs	\$ 961,555	October 23, 2014, REA Narrative, Page 618
<b>Subtotal Equipment Inefficiency (Operating) Costs</b>	<b>\$ 961,555</b>	
PMSI Division Office Support	\$ 3,183	October 23, 2014, REA Narrative, Page 618
CHC G&A	\$ 43,847	October 23, 2014, REA Narrative, Page 618
Profit	\$ 100,859	October 23, 2014, REA Narrative, Page 618
Insurance Premiums	\$ 11,867	October 23, 2014, REA Narrative, Page 618
Contractor's Bond Premium	\$ 9,955	October 23, 2014, REA Narrative, Page 618
<b>Subtotal Mark-Ups</b>	<b>\$ 169,711</b>	
<b>Total Equipment Inefficiency Cost</b>	<b>\$ 1,131,266</b>	October 23, 2014, REA Narrative, Page 618

**AAFB-Repair/Replace Runway 01L/19R**  
**Table of Subcontractor Claim Costs**

Exhibit C-11

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

<b>Cost Element</b>	<b>Cost Amount</b>	<b>Reference</b>
Subcontractor Claim Costs	\$ 2,503,128	April 28, 2016, CDA Claim, Page 2
<b>Subtotal Subcontractor Claim Costs</b>	<b>\$ 2,503,128</b>	
PMSI Division Office Support	\$ 8,260	April 28, 2016, CDA Claim, Page 2
CHC G&A	\$ 114,143	April 28, 2016, CDA Claim, Page 2
Profit	\$ 262,553	April 28, 2016, CDA Claim, Page 2
Insurance Premiums	\$ 30,922	April 28, 2016, CDA Claim, Page 2
Contractor's Bond Premium	\$ 25,915	April 28, 2016, CDA Claim, Page 2
<b>Subtotal Mark-Ups</b>	<b>\$ 441,793</b>	
<b>Total Subcontractor Claim Cost</b>	<b>\$ 2,944,921</b>	April 28, 2016, CDA Claim, Page 2

**AAFB-Repair/Replace Runway 01L/19R**  
**Table of TPC REA Prep Costs**

Exhibit C-12

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

Cost Element	Cost Amount	Reference
CHC REA Prep Labor Costs	\$ 969,126	October 23, 2014, REA Narrative, Page 620
PMSI REA Prep Labor Costs	\$ 108,932	October 23, 2014, REA Narrative, Page 620
<b>Subtotal REA Prep Labor Costs</b>	<b>\$ 1,078,058</b>	
PMSI REA Prep Equipment Costs	\$ 21,487	October 23, 2014, REA Narrative, Page 620
<b>Subtotal REA Prep Equipment Costs</b>	<b>\$ 21,487</b>	
CHC REA Prep Expenses	\$ 170,658	October 23, 2014, REA Narrative, Page 620
PMSI REA Prep Expenses	\$ 206,689	October 23, 2014, REA Narrative, Page 620
<b>Subtotal REA Prep Expenses</b>	<b>\$ 377,347</b>	
<b>Subtotal REA Prep Direct Costs</b>	<b>\$ 1,476,892</b>	
PMSI Division Office Support	\$ 4,874	October 23, 2014, REA Narrative, Page 620
CHC G&A	\$ 67,346	October 23, 2014, REA Narrative, Page 620
Profit	\$ 154,911	October 23, 2014, REA Narrative, Page 621
Insurance Premiums	\$ 18,244	October 23, 2014, REA Narrative, Page 621
Contractor's Bond Premium	\$ 15,291	October 23, 2014, REA Narrative, Page 621
<b>Subtotal Mark-Ups</b>	<b>\$ 260,666</b>	
<b>Total REA Prep Cost</b>	<b>\$ 1,737,558</b>	October 23, 2014, REA Narrative, Page 621

**AAFB-Repair/Replace Runway 01L/19R**  
**Table of Professional Services Costs**

Exhibit C-13

Contract No. FA3002-08-0011-0005

CLIN 0001AA

CHC Job No. 1113

Cost Element	Cost Amount	Reference
Professional Services Costs	\$ 2,680,436	Updated CDA Claim Narrative, Page 626 (Exhibit B)
<b>Subtotal Professional Services Costs</b>	<b>\$ 2,680,436</b>	
PMSI Division Office Support	\$ 8,845	Updated CDA Claim Narrative, Page 626 (Exhibit B)
CHC G&A	\$ 122,228	Updated CDA Claim Narrative, Page 626 (Exhibit B)
Profit	\$ 281,151	Updated CDA Claim Narrative, Page 626 (Exhibit B)
Insurance Premiums	\$ 33,112	Updated CDA Claim Narrative, Page 626 (Exhibit B)
Contractor's Bond Premium	\$ 27,751	Updated CDA Claim Narrative, Page 626 (Exhibit B)
<b>Subtotal Mark-Ups</b>	<b>\$ 473,087</b>	
<b>Total Professional Services Cost</b>	<b>\$ 3,153,523</b>	Updated CDA Claim Narrative, Page 626 (Exhibit B)



Contract No. FA3002-08-0011-0005  
CLIN 0001AA  
CHC Job No. 1113

Cost Description	Cost Element	Materials & Services	GC Materials & Services	Direct Labor	GC Direct Labor	Indirect Costs	Other Costs / Markups	Royalties	Facilities Capital Cost	Equipment	Equipment (Extended)	GC Equipment	Subcontractor	Net Cost of Change <sup>1</sup>	Net Cost of Change Reference	Net Cost of Change (Rounded) <sup>2</sup>	Net Cost of Change (Rounded) Reference
Extra Work RCOs	Estimated Cost of All Work Deleted	-15,322.83	0.00	-77,773.92	0.00	0.00	-9,392.73	0.00	0.00	-31,325.95	0.00	0.00	-17,533.62	-151,349.05	Updated CDA Claim, Exhibit C-1		
Extra Work RCOs	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-1		
Extra Work RCOs	Net Cost To Be Deleted	-15,322.83	0.00	-77,773.92	0.00	0.00	-9,392.73	0.00	0.00	-31,325.95	0.00	0.00	-17,533.62	-151,349.05	Updated CDA Claim, Exhibit C-1		
Extra Work RCOs	Cost of Work Added	893,846.94	0.00	408,766.23	0.00	0.00	607,036.73	0.00	0.00	457,263.86	0.00	0.00	1,679,728.87	4,046,642.63	Updated CDA Claim, Exhibit C-1		
Subtotal Extra Work RCOs		878,524.11	0.00	330,992.31	0.00	0.00	597,644.00	0.00	0.00	425,937.91	0.00	0.00	1,662,195.25	3,895,293.58	Updated CDA Claim, Exhibit C-1	3,895,296	April 21, 2015, Update to REA Narrative, Page 577
Replacement of PCCP Panels	Estimated Cost of All Work Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-2		
Replacement of PCCP Panels	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-2		
Replacement of PCCP Panels	Net Cost To Be Deleted	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-2		
Replacement of PCCP Panels	Cost of Work Added	2,248,350.79	22,804.23	2,013,868.76	0.00	0.00	1,530,959.37	0.00	0.00	1,360,758.56	0.00	0.00	3,148,792.01	10,325,533.72	Updated CDA Claim, Exhibit C-2		
Subtotal Replacement of PCCP Panels		2,248,350.79	22,804.23	2,013,868.76	0.00	0.00	1,530,959.37	0.00	0.00	1,360,758.56	0.00	0.00	3,148,792.01	10,325,533.72	Updated CDA Claim, Exhibit C-2	10,325,533	Updated CDA Claim Narrative Page 578 (Exhibit B)
Government Credits	Estimated Cost of All Work Deleted	-2,552,139.62	0.00	-208,397.52	0.00	0.00	-210,532.43	0.00	0.00	-254,778.02	0.00	0.00	-166,550.46	-3,392,398.05	Updated CDA Claim, Exhibit C-3		
Government Credits	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-3		
Government Credits	Net Cost To Be Deleted	-2,552,139.62	0.00	-208,397.52	0.00	0.00	-210,532.43	0.00	0.00	-254,778.02	0.00	0.00	-166,550.46	-3,392,398.05	Updated CDA Claim, Exhibit C-3		
Government Credits	Cost of Work Added	2,007,511.46	0.00	77,139.42	0.00	0.00	386,032.43	0.00	0.00	66,607.72	0.00	0.00	36,087.50	2,573,378.53	Updated CDA Claim, Exhibit C-3		
Subtotal Government Credits		-544,628.16	0.00	-131,258.10	0.00	0.00	175,500.00	0.00	0.00	-188,170.30	0.00	0.00	-130,462.96	-819,019.51	Updated CDA Claim, Exhibit C-3	-819,018	October 23, 2014, REA Narrative, Page 579
Time-Related General Conditions - Labor	Cost of Work Added	0.00	0.00	0.00	3,677,679.00	0.00	649,094.00	0.00	0.00	0.00	0.00	0.00	0.00	4,326,773.00	Updated CDA Claim, Exhibit C-4	4,326,773	October 23, 2014, REA Narrative, Page 587
Time Related General Conditions - Materials / Services	Cost of Work Added	0.00	1,350,682.00	0.00	0.00	0.00	238,389.00	0.00	0.00	0.00	0.00	0.00	0.00	1,589,071.00	Updated CDA Claim, Exhibit C-5	1,589,071	October 23, 2014, REA Narrative, Page 590
Time Related Equipment Costs (Ownership)	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	574,870.00	0.00	0.00	0.00	0.00	3,257,137.00	0.00	3,832,007.00	Updated CDA Claim, Exhibit C-6	3,832,007	October 23, 2014, REA Narrative, Page 592
Material Escalation	Cost of Work Added	9,400.00	0.00	0.00	0.00	0.00	1,659.00	0.00	0.00	0.00	0.00	0.00	0.00	11,059.00	Updated CDA Claim, Exhibit C-7	11,059	October 23, 2014, REA Narrative, Page 592
ADP Impact RCOs	Estimated Cost of All Work Deleted	-32,368.16	0.00	0.00	0.00	0.00	-2,141.68	0.00	0.00	0.00	0.00	0.00	0.00	-34,509.84	Updated CDA Claim, Exhibit C-8		
ADP Impact RCOs	Cost of Deleted Work Already Performed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Updated CDA Claim, Exhibit C-8		
ADP Impact RCOs	Net Cost To Be Deleted	-32,368.16	0.00	0.00	0.00	0.00	-2,141.68	0.00	0.00	0.00	0.00	0.00	0.00	-34,509.84	Updated CDA Claim, Exhibit C-8		
ADP Impact RCOs	Cost of Work Added	375,649.59	0.00	916,362.83	0.00	0.00	327,873.17	0.00	0.00	512,494.02	0.00	0.00	53,352.00	2,185,731.60	Updated CDA Claim, Exhibit C-8		
Subtotal ADP Impact RCOs		343,281.43	0.00	916,362.83	0.00	0.00	325,731.48	0.00	0.00	512,494.02	0.00	0.00	53,352.00	2,151,221.76	Updated CDA Claim, Exhibit C-8	2,151,222	April 21, 2015, Update to REA Narrative, Page 593
Labor Inefficiencies	Cost of Work Added	0.00	0.00	1,018,145.00	0.00	0.00	179,697.00	0.00	0.00	0.00	0.00	0.00	0.00	1,197,842.00	Updated CDA Claim, Exhibit C-9	1,197,842	October 23, 2014, REA Narrative, Page 617
Equipment Inefficiencies (Operating Costs)	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	169,711.00	0.00	0.00	961,555.00	0.00	0.00	0.00	1,131,266.00	Updated CDA Claim, Exhibit C-10	1,131,266	October 23, 2014, REA Narrative, Page 618
Subcontractor REA	Cost of Work Added	0.00	0.00	0.00	0.00	0.00	441,793.00	0.00	0.00	0.00	0.00	0.00	2,503,128.00	2,944,921.00	Updated CDA Claim, Exhibit C-11	2,944,921	April 28, 2016, CDA Claim, Page 2
REA Prep Costs (TPC & PSMI Labor and Expenses)	Cost of Work Added	0.00	377,347.00	0.00	1,078,058.00	0.00	260,666.00	0.00	0.00	0.00	0.00	21,487.00	0.00	1,737,558.00	Updated CDA Claim, Exhibit C-12	1,737,558	October 23, 2014, REA Narrative, Page 621
Professional Services	Cost of Work Added	0.00	2,680,436.00	0.00	0.00	0.00	473,087.00	0.00	0.00	0.00	0.00	0.00	0.00	3,153,523.00	Updated CDA Claim, Exhibit C-13	3,153,523	Updated CDA Claim Narrative Page 626 (Exhibit B)
Subtotal Estimated Cost of All Work Deleted		-2,599,830.61	0.00	-286,171.44	0.00	0.00	-222,066.85	0.00	0.00	-286,103.98	0.00	0.00	-184,084.07	-3,578,256.94			
Subtotal Cost of Deleted Work Already Performed		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Subtotal Net Cost To Be Deleted		-2,599,830.61	0.00	-286,171.44	0.00	0.00	-222,066.85	0.00	0.00	-286,103.98	0.00	0.00	-184,084.07	-3,578,256.94			
Subtotal Cost of Work Added		5,534,758.78	4,431,269.23	4,434,282.23	4,755,737.00	0.00	5,840,867.70	0.00	0.00	3,358,679.16	0.00	3,278,624.00	7,421,088.38	39,055,306.48			
Subtotal		2,934,928.17	4,431,269.23	4,148,110.80	4,755,737.00	0.00	5,618,800.85	0.00	0.00	3,072,575.19	0.00	3,278,624.00	7,237,004.30	35,477,049.54		35,477,053	
Unpaid Contract Balance		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,601,218.62	October 23, 2014, REA Narrative, Page 619	2,601,219	October 23, 2014, REA Narrative, Page 627
	Total Claimed Amount													38,078,268.16		38,078,272	

Notes:

- 1 The Net Cost of Change is the actual cost for each cost element determined to the nearest penny as summed from the claim exhibits.  
2 The Net Cost of Change (Rounded) is the amount carried forward from the sums of the claim exhibits to the narrative that was rounded to the nearest dollar. These amounts represent the actual claimed amounts. The total variance due to rounding, including RCO rounding and unpaid contract balance is \$3.84.

Rounding Variance

3.84